

JNK1/2/3 (phospho Thr183/Y185) Polyclonal Antibody	
Catalog No :	YP0157
Reactivity :	Human;Mouse;Rat;Chicken/pig/fish(tested by our customer?
Applications :	IF;WB;IHC;ELISA
Target :	JNK1/2/3
Fields :	>>Endocrine resistance;>>MAPK signaling pathway;>>ErbB signaling pathway;>>Ras signaling pathway;>>CAMP signaling pathway;>>FoxO signaling pathway;>>Sphingolipid signaling pathway;>>Mitophagy - animal;>>Autophagy - animal;>>Protein processing in endoplasmic reticulum;>>Apoptosis;>>Apoptosis - multiple species;>>Necroptosis;>>Wnt signaling pathway;>>Osteoclast differentiation;>>Focal adhesion;>>Tight junction;>>Toll-like receptor signaling pathway;>>NOD-like receptor signaling pathway;>>RIG-I-like receptor signaling pathway;>>C-type lectin receptor signaling pathway;>>IL-17 signaling pathway;>>Th1 and Th2 cell differentiation;>>Th17 cell differentiation;>>T cell receptor signaling pathway;>>Retrograde endocannabinoid signaling;>>Dopaminergic synapse;>>Inflammatory mediator regulation of TRP channels;>>Insulin signaling pathway;>>GnRH signaling pathway;>>Progesterone-mediated oocyte maturation;>>Pr
Gene Name :	MAPK8/9/10
Protein Name :	Mitogen-activated protein kinase 8/9/10
Human Gene Id :	5599/5601/5602
Human Swiss Prot No :	P45983/P45984/P53779
Mouse Gene Id :	26419/26420
Rat Gene Id :	116554/50658/25272
Rat Swiss Prot No :	P49185/P49186/P49187
Immunogen :	The antiserum was produced against synthesized peptide derived from human JNK1/2/3 around the phosphorylation site of Thr183 and Tyr185. AA range:151-200

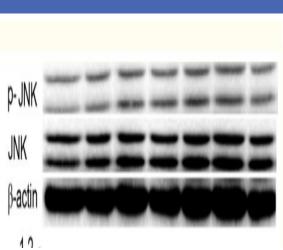


Best tools for immunolog	gy Research
Specificity :	Phospho-JNK1/2/3 (T183/Y185) Polyclonal Antibody detects endogenous levels of JNK1/2/3 protein only when phosphorylated at T183/Y185.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IF 1:50-200 WB 1:500-2000, IHC 1:50-300 IHC 1:50-300
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity- chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	46kD,54kD
Cell Pathway :	Toll_Like; Cell Growth; Stem cell pathway; Insulin Receptor; MAPK_ERK_Growth;MAPK_G_Protein; ErbB/HER; B Cell Receptor; SAPK_JNK; WNT;WNT-T CELL;β-Catenin
Background :	The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This kinase is activated by various cell stimuli, and targets specific transcription factors, and thus mediates immediate-early gene expression in response to cell stimuli. The activation of this kinase by tumor-necrosis factor alpha (TNF-alpha) is found to be required for TNF-alpha induced apoptosis. This kinase is also involved in UV radiation induced apoptosis, which is thought to be related to cytochrom c-mediated cell death pathway. Studies of the mouse counterpart of this gene suggested that this kinase play a key role in T cell proliferation, apoptosis and differentiation. Several alternatively spl
Function :	catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,domain:The TXY motif contains the threonine and tyrosine residues whose phosphorylation activates the MAP kinases.,enzyme regulation:Activated by threonine and tyrosine phosphorylation by either of two dual specificity kinases, MAP2K4 and MAP2K7. Inhibited by dual specificity phosphatases, such as DUSP1.,function:JNK1 isoforms display different binding patterns: beta-1 preferentially binds to c-Jun, whereas alpha-1, alpha-2, and beta-2 have a similar low level of binding to both c-Jun or ATF2. However, there is no correlation between binding and phosphorylation, which is achieved at about the same efficiency by all isoforms.,function:Responds to activation by environmental stress and pro-inflammatory cytokines by phosphorylating a number of transcription factors, primarily components of AP-1



such as JUN, JDP

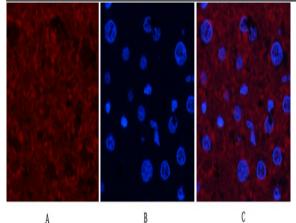
Subcellular Location :	Cytoplasm . Nucleus . Cell junction, synapse . In the cortical neurons, predominantly cytoplasmic and associated with the Golgi apparatus and endosomal fraction. Increased neuronal activity increases phosphorylated form at synapses (By similarity). Colocalizes with POU5F1 in the nucleus
Expression :	Brain,Epithelium,Fetal brain,Lung,Pooled,Testis,
Tag :	orthogonal
Sort :	1
No2 :	4668S
No3 :	ab59196
No4 :	1
Host :	Rabbit
Modifications :	Phospho
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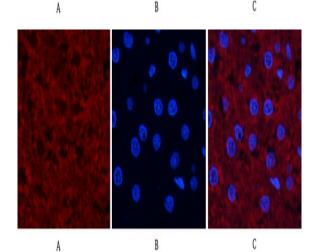
Products Images

Xu, Yini, et al. "Inhibitory effects of oxymatrine on TGF- β 1-induced proliferation and abnormal differentiation in rat cardiac fibroblasts via the p38MAPK and ERK1/2 signaling pathways." Molecular medicine reports 16.4 (2017): 5354-5362.

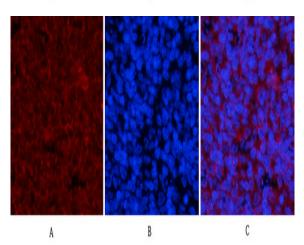




Immunofluorescence analysis of rat-liver tissue. 1,JNK1/2/3 (phospho Thr183/Y185) Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

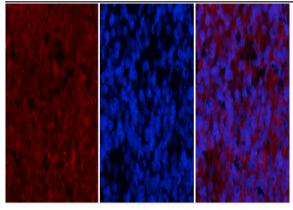


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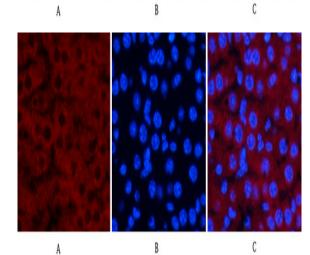


Immunofluorescence analysis of rat-spleen tissue. 1,JNK1/2/3 (phospho Thr183/Y185) Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

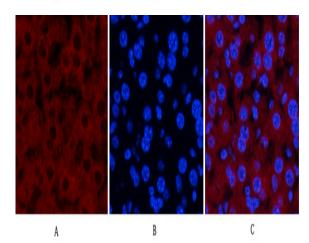




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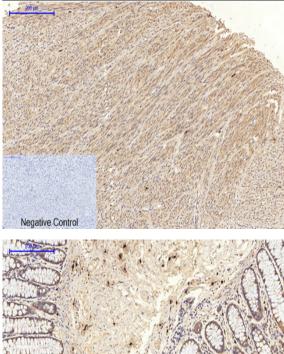


Immunofluorescence analysis of mouse-liver tissue. 1,JNK1/2/3 (phospho Thr183/Y185) Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



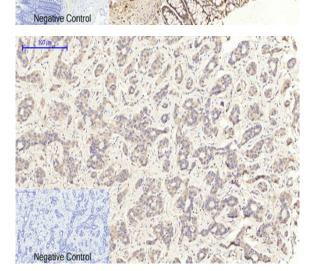
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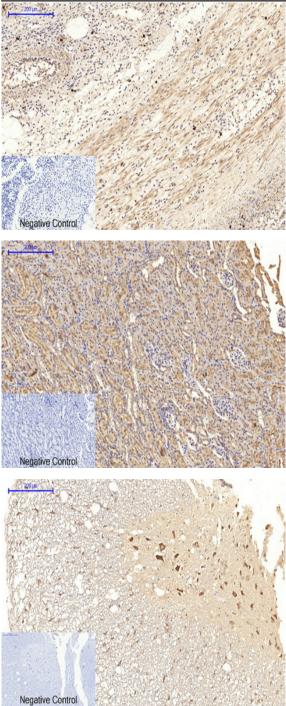
Immunohistochemical analysis of paraffin-embedded Humanuterus tissue. 1,JNK1/2/3 (phospho Thr183/Y185) Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.

Immunohistochemical analysis of paraffin-embedded Humancolon tissue. 1,JNK1/2/3 (phospho Thr183/Y185) Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Human-livercancer tissue. 1,JNK1/2/3 (phospho Thr183/Y185) Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



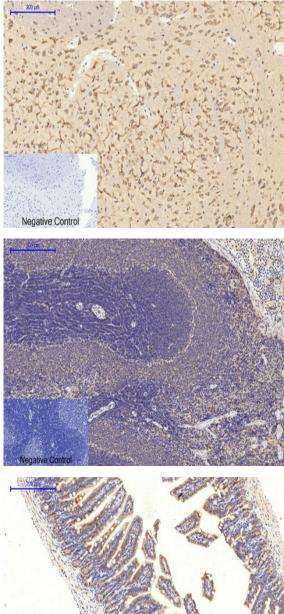


Immunohistochemical analysis of paraffin-embedded Human-Appendix tissue. 1, JNK1/2/3 (phospho Thr183/Y185) Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3, Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.

Immunohistochemical analysis of paraffin-embedded Rat-kidney tissue. 1, JNK1/2/3 (phospho Thr183/Y185) Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.

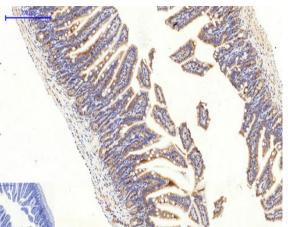
Immunohistochemical analysis of paraffin-embedded Rat-spinalcord tissue. 1, JNK1/2/3 (phospho Thr183/Y185) Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.





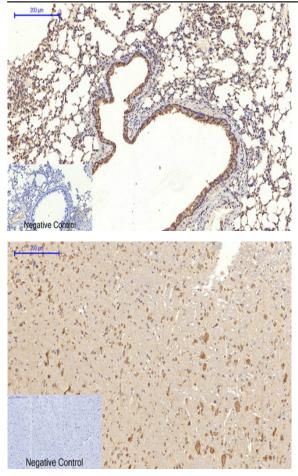
Immunohistochemical analysis of paraffin-embedded Rat-brain tissue. 1, JNK1/2/3 (phospho Thr183/Y185) Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.

Immunohistochemical analysis of paraffin-embedded Rat-spleen tissue. 1, JNK1/2/3 (phospho Thr183/Y185) Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Mousecolon tissue. 1, JNK1/2/3 (phospho Thr183/Y185) Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



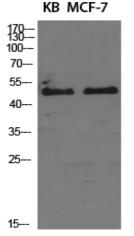


Immunohistochemical analysis of paraffin-embedded Mouse-lung tissue. 1,JNK1/2/3 (phospho Thr183/Y185) Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.

Immunohistochemical analysis of paraffin-embedded Mousebrain tissue. 1,JNK1/2/3 (phospho Thr183/Y185) Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.

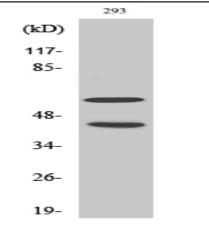
Western Blot analysis of various cells using Phospho-JNK1/2/3

(T183/Y185) Polyclonal Antibody diluted at 1:2000

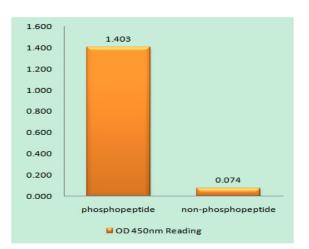


p-JNK1/2/3 (T183/Y185)

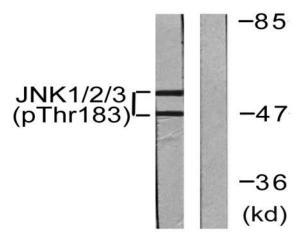




Western Blot analysis of 293 cells using Phospho-JNK1/2/3 (T183/Y185) Polyclonal Antibody diluted at 1:2000



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using JNK1/2/3 (Phospho-Thr183+Tyr185) Antibody



Western blot analysis of lysates from 293 cells treated with UV 5', using JNK1/2/3 (Phospho-Thr183+Tyr185) Antibody. The lane on the right is blocked with the phospho peptide.