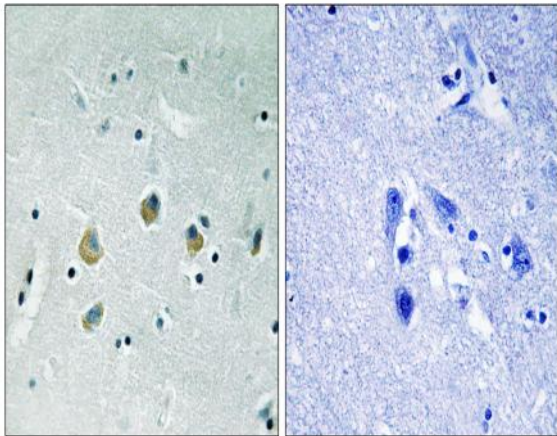


Cot (phospho Ser400) Polyclonal Antibody

Catalog No :	YP1049
Reactivity :	Human;Mouse;Rat
Applications :	IHC;IF;ELISA
Target :	Cot
Fields :	>>MAPK signaling pathway;>>Toll-like receptor signaling pathway;>>T cell receptor signaling pathway;>>TNF signaling pathway
Gene Name :	MAP3K8
Protein Name :	Mitogen-activated protein kinase kinase kinase 8
Human Gene Id :	1326
Human Swiss Prot No :	P41279
Mouse Gene Id :	26410
Mouse Swiss Prot No :	Q07174
Rat Gene Id :	116596
Rat Swiss Prot No :	Q63562
Immunogen :	The antiserum was produced against synthesized peptide derived from human MAP3K8 around the phosphorylation site of Ser400. AA range:366-415
Specificity :	Phospho-Cot (S400) Polyclonal Antibody detects endogenous levels of Cot protein only when phosphorylated at S400.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200

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)
Molecularweight :	53kD
Cell Pathway :	SAPK_JNK; Regulation of Actin Dynamics; T_Cell_Receptor; Cell Growth; Stem cell pathway; Toll_Like; MAPK_ERK_Growth;MAPK_G_Protein; B_Cell_Antigen
Background :	This gene is an oncogene that encodes a member of the serine/threonine protein kinase family. The encoded protein localizes to the cytoplasm and can activate both the MAP kinase and JNK kinase pathways. This protein was shown to activate I kappaB kinases, and thus induce the nuclear production of NF-kappaB. This protein was also found to promote the production of TNF-alpha and IL-2 during T lymphocyte activation. This gene may also utilize a downstream in-frame translation start codon, and thus produce an isoform containing a shorter N-terminus. The shorter isoform has been shown to display weaker transforming activity. Alternate splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Sep 2011],
Function :	catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,developmental stage:Isoform 1 is activated specifically during the S and G2/M phases of the cell cycle.,function:Required for TLR4 activation of the MEK/ERK pathway. Able to activate NF-kappa-B 1 by stimulating proteasome-mediated proteolysis of NF-kappa-B 1/p105. Plays a role in the cell cycle. The longer form has some transforming activity, although it is much weaker than the activated cot oncoprotein.,PTM:Autophosphorylated. Isoform 1 undergoes phosphorylation mainly on Ser residues, and isoform 2 on both Ser and Thr residues.,similarity:Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase kinase subfamily.,similarity:Contains 1 protein kinase domain.,subunit:Forms a ternary complex with NFKB1 and TNIP2.,tissue specificity:Expressed in several normal tissues and
Subcellular Location :	Cytoplasm .
Expression :	Expressed in several normal tissues and human tumor-derived cell lines.

Products Images



Immunohistochemistry analysis of paraffin-embedded human brain, using MAP3K8 (Phospho-Ser400) Antibody. The picture on the right is blocked with the phospho peptide.