

**MLK1/2 (phospho Thr312/266) Polyclonal Antibody**

<b>Catalog No :</b>	YP1050
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	IHC;IF;ELISA
<b>Target :</b>	MLK1/2
<b>Gene Name :</b>	MAP3K9/MAP3K10
<b>Protein Name :</b>	Mitogen-activated protein kinase kinase kinase 9/10
<b>Human Gene Id :</b>	4293/4294
<b>Human Swiss Prot No :</b>	P80192/Q02779
<b>Mouse Gene Id :</b>	338372
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human MLK1/2 around the phosphorylation site of Thr312/266. AA range:281-330
<b>Specificity :</b>	Phospho-MLK1/2 (T312/266) Polyclonal Antibody detects endogenous levels of MLK1/2 protein only when phosphorylated at T312/266.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	100-120kD

**Cell Pathway :** Regulation of Actin Dynamics; SAPK\_JNK; Stem cell pathway; B\_Cell\_Antigen

**Background :** catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Homodimerization via the leucine zipper domains is required for autophosphorylation and subsequent activation.,function:Activates the JUN N-terminal pathway.,PTM:Autophosphorylation on serine and threonine residues within the activation loop plays a role in enzyme activation. Thr-312 is likely to be the main autophosphorylation site.,similarity:Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase kinase subfamily.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 SH3 domain.,subunit:Homodimer.,tissue specificity:Expressed in epithelial tumor cell lines of colonic, breast and esophageal origin.,

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**Subcellular Location :** intracellular,integral component of membrane,

**Expression :** Expressed in epithelial tumor cell lines of colonic, breast and esophageal origin.

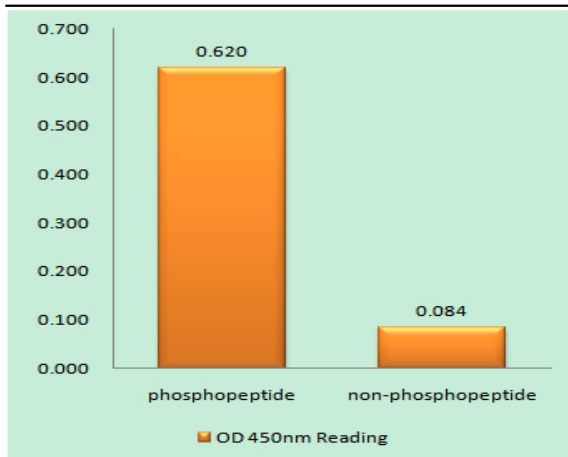
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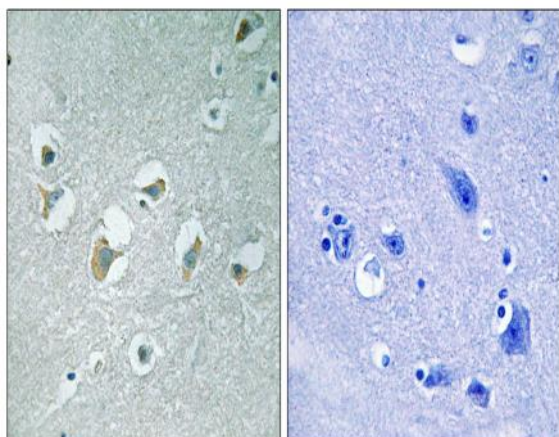
**Host :** Rabbit

**Modifications :** Phospho

**Products Images**



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using MLK1/2 (Phospho-Thr312/266) Antibody



Immunohistochemistry analysis of paraffin-embedded human brain, using MLK1/2 (Phospho-Thr312/266) Antibody. The picture on the right is blocked with the phospho peptide.