

MLK1/2 (phospho Thr312/266) Polyclonal Antibody

Catalog No :	YP1050
Reactivity :	Human;Mouse
Applications :	IHC;IF;ELISA
Target :	MLK1/2
Gene Name :	MAP3K9/MAP3K10
Protein Name :	Mitogen-activated protein kinase kinase kinase 9/10
Human Gene Id :	4293/4294
Human Swiss Prot No :	P80192/Q02779
Mouse Gene Id :	338372
Immunogen :	The antiserum was produced against synthesized peptide derived from human MLK1/2 around the phosphorylation site of Thr312/266. AA range:281-330
Specificity :	Phospho-MLK1/2 (T312/266) Polyclonal Antibody detects endogenous levels of MLK1/2 protein only when phosphorylated at T312/266.
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 :	100-120kD

Cell Pathway : Regulation of Actin Dynamics; SAPK_JNK; Stem cell pathway; B_Cell_Antigen

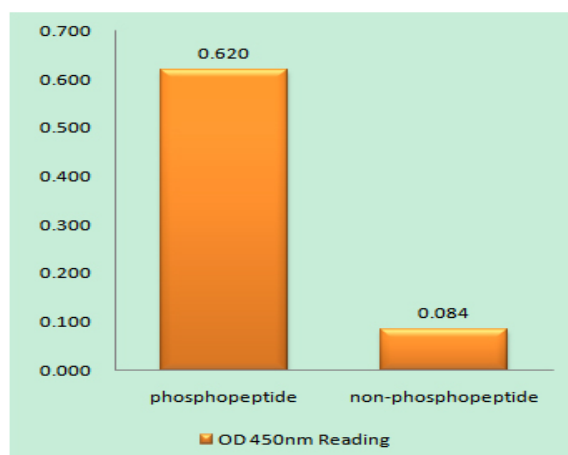
Background : catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Homodimerization via the leucine zipper domains is required for autophosphorylation and subsequent activation.,function:Activates the JUN N-terminal pathway.,PTM:Autophosphorylation on serine 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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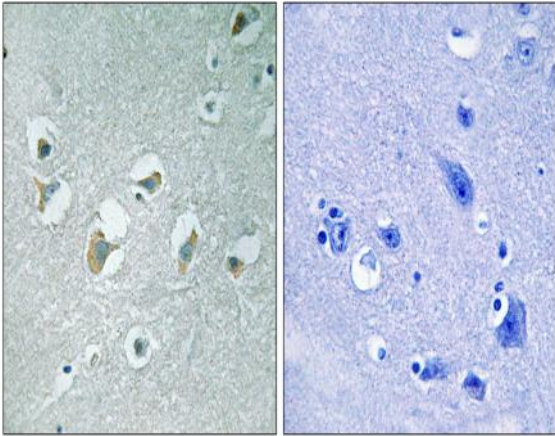
Subcellular Location : intracellular,integral component of membrane,

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

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.