

## MLK1 Polyclonal Antibody

<b>Catalog No :</b>	YT2783
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	IHC;IF;ELISA
<b>Target :</b>	MLK1
<b>Gene Name :</b>	MAP3K9
<b>Protein Name :</b>	Mitogen-activated protein kinase kinase kinase 9
<b>Human Gene Id :</b>	4293
<b>Human Swiss Prot No :</b>	P80192
<b>Mouse Gene Id :</b>	338372
<b>Mouse Swiss Prot No :</b>	Q3U1V8
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human MAP3K9. AA range:561-610
<b>Specificity :</b>	MLK1 Polyclonal Antibody detects endogenous levels of MLK1 protein.
<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: 1:20000.. 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)

**Molecularweight :** 122kD

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

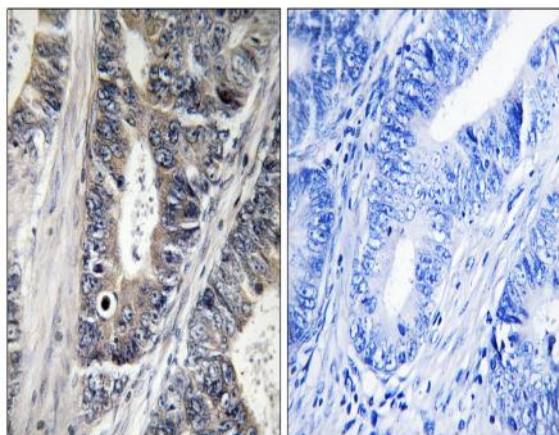
**Background :** MAP3K9 (Mitogen-Activated Protein Kinase Kinase Kinase 9) is a Protein Coding gene. Diseases associated with MAP3K9 include retroperitoneal neuroblastoma. Among its related pathways are MAP Kinase Signaling and TGF-Beta Pathway. GO annotations related to this gene include protein homodimerization activity and protein kinase activity. An important paralog of this gene is KSR1.

**Function :** 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.,

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

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

## Products Images



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, using MAP3K9 Antibody. The picture on the right is blocked with the synthesized peptide.