

**Product Name: MLK1/2 (phospho Thr312/266) Rabbit Polyclonal Antibody**  
**Catalog #: APRab05027**



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## Summary

<b>Production Name</b>	MLK1/2 (phospho Thr312/266) Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	IHC,ELISA
<b>Reactivity</b>	Human,Mouse

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Phospho Antibody
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	MAP3K9/MAP3K10
<b>Alternative Names</b>	MAP3K9; MLK1; PRKE1; Mitogen-activated protein kinase kinase kinase 9; Mixed lineage kinase 1; MAP3K10; MLK2; MST; Mitogen-activated protein kinase kinase kinase 10; Mixed lineage kinase 2; Protein kinase MST
<b>Gene ID</b>	4293/4294
<b>SwissProt ID</b>	P80192/Q02779.The antiserum was produced against synthesized peptide derived from human MLK1/2 around the phosphorylation site of Thr312/266. AA range:281-330

## Application

<b>Dilution Ratio</b>	IHC 1:100 - 1:300. ELISA: 1:5000..
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**Molecular Weight**

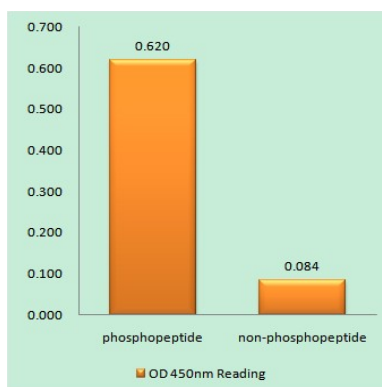
**Background**

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.,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.,

**Research Area**

Regulation of Actin Dynamics; SAPK\_JNK; Stem cell pathway; B\_Cell\_Antigen

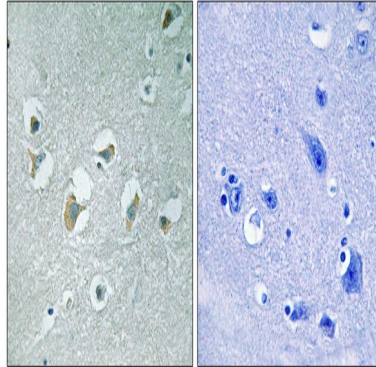
**Image Data**



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

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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.

**Note**

For research use only.