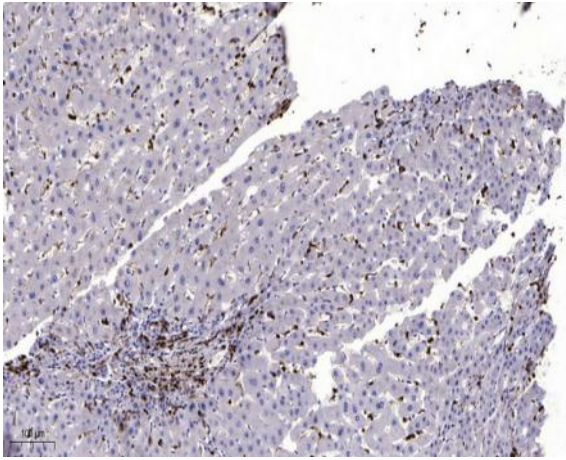


**MLK3 (Phospho Thr277+Ser281) rabbit pAb**

<b>Catalog No :</b>	YP1580
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;ELISA;IHC
<b>Target :</b>	MLK3
<b>Fields :</b>	>>MAPK signaling pathway;>>Non-alcoholic fatty liver disease
<b>Gene Name :</b>	MAP3K11 MLK3 PTK1 SPRK
<b>Protein Name :</b>	MLK3 (Phospho Thr277+Ser281)
<b>Human Gene Id :</b>	4296
<b>Human Swiss Prot No :</b>	Q16584
<b>Mouse Gene Id :</b>	26403
<b>Mouse Swiss Prot No :</b>	Q80XI6
<b>Rat Gene Id :</b>	309168
<b>Rat Swiss Prot No :</b>	Q66HA1
<b>Immunogen :</b>	Synthesized peptide derived from human MLK3 (Phospho Thr277+Ser281)
<b>Specificity :</b>	This antibody detects endogenous levels of Human,Mouse,Rat MLK3 (Phospho Thr277+Ser281)
<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>	WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000

<b>Purification :</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using 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>	93kD
<b>Background :</b>	The protein encoded by this gene is a member of the serine/threonine kinase family. This kinase contains a SH3 domain and a leucine zipper-basic motif. This kinase preferentially activates MAPK8/JNK kinase, and functions as a positive regulator of JNK signaling pathway. This kinase can directly phosphorylate, and activates I kappa B kinase alpha and beta, and is found to be involved in the transcription activity of NF-kappa B mediated by Rho family GTPases and CDC42. [provided by RefSeq, Jul 2008],
<b>Function :</b>	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. Required for serum-stimulated cell proliferation and for mitogen and cytokine activation of MAPK14 (p38), MAPK3 (ERK) and MAPK8 (JNK1). Plays a role in mitogen-stimulated phosphorylation and activation of BRAF, but does not phosphorylate BRAF directly. Influences microtubule organization during the cell cycle.,PTM:Autophosphorylation on serine and threonine residues within the activation loop plays a role in enzyme activation. Thr-277 is likely to be the main autophosphorylation site. Phosphorylation of Ser-555 and Ser-556 is induced by CDC42.,similarity:Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP
<b>Subcellular Location :</b>	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Location is cell cycle dependent.
<b>Expression :</b>	Expressed in a wide variety of normal and neoplastic tissues including fetal lung, liver, heart and kidney, and adult lung, liver, heart, kidney, placenta, skeletal muscle, pancreas and brain.
<b>Sort :</b>	9683
<b>No4 :</b>	1
<b>Host :</b>	Rabbit
<b>Modifications :</b>	Phospho

## Products Images



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).