

## M3K14 Polyclonal Antibody

<b>Catalog No :</b>	YN1594
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	M3K14
<b>Fields :</b>	>>MAPK signaling pathway;>>NF-kappa B signaling pathway;>>Apoptosis;>>Osteoclast differentiation;>>C-type lectin receptor signaling pathway;>>T cell receptor signaling pathway;>>TNF signaling pathway;>>Intestinal immune network for IgA production;>>Alcoholic liver disease;>>Epithelial cell signaling in Helicobacter pylori infection;>>Human T-cell leukemia virus 1 infection;>>Epstein-Barr virus infection;>>Chemical carcinogenesis - reactive oxygen species
<b>Gene Name :</b>	MAP3K14 NIK
<b>Protein Name :</b>	Mitogen-activated protein kinase kinase kinase 14 (EC 2.7.11.25) (NF-kappa-beta-inducing kinase) (HsNIK) (Serine/threonine-protein kinase NIK)
<b>Human Gene Id :</b>	9020
<b>Human Swiss Prot No :</b>	Q99558
<b>Mouse Swiss Prot No :</b>	Q9WUL6
<b>Immunogen :</b>	Synthesized peptide derived from human protein . at AA range: 90-170
<b>Specificity :</b>	M3K14 Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

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<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	104kD
<b>Cell Pathway :</b>	MAPK_ERK_Growth;MAPK_G_Protein;Apoptosis_Inhibition;Apoptosis_Mitochondrial;Apoptosis_Overview;T_Cell_Receptor;Intestinal immune network for IgA production;Epithelial cell signaling in Helicobacter py
<b>Background :</b>	This gene encodes mitogen-activated protein kinase kinase kinase 14, which is a serine/threonine protein-kinase. This kinase binds to TRAF2 and stimulates NF-kappaB activity. It shares sequence similarity with several other MAPKK kinases. It participates in an NF-kappaB-inducing signalling cascade common to receptors of the tumour-necrosis/nerve-growth factor (TNF/NGF) family and to the interleukin-1 type-I receptor. [provided by RefSeq, Jul 2008],
<b>Function :</b>	catalytic activity:ATP + a protein = ADP + a phosphoprotein.,function:Lymphotoxin beta-activated kinase which seems to be exclusively involved in the activation of NF-kappa-B and its transcriptional activity. Induces the processing of NF-kappa-B 2/P100. Could act in a receptor-selective manner.,PTM:Autophosphorylated.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase kinase subfamily.,similarity:Contains 1 protein kinase domain.,subunit:Binds to TRAF2, TRAF5, TRAF6, IKKA and NF-kappa-B 2/P100 (By similarity). Interacts with PELI3. Interacts with NIBP; the interaction is direct.,tissue specificity:Weakly expressed in testis, small intestine, spleen, thymus, peripheral blood leukocytes, prostate, ovary and colon.,
<b>Subcellular Location :</b>	Cytoplasm.
<b>Expression :</b>	Weakly expressed in testis, small intestine, spleen, thymus, peripheral blood leukocytes, prostate, ovary and colon.

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