Best Tools for immunology Research

M3K14 Polyclonal Antibody

Catalog No :	YN1594
Reactivity :	Human;Rat;Mouse;
Applications :	WB;ELISA
Target :	M3K14
Fields :	>>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
Gene Name :	MAP3K14 NIK
Protein Name :	Mitogen-activated protein kinase kinase kinase 14 (EC 2.7.11.25) (NF-kappa-beta-inducing kinase) (HsNIK) (Serine/threonine-protein kinase NIK)
Human Gene Id :	9020
Human Swiss Prot No :	Q99558
Mouse Swiss Prot No :	Q9WUL6
Immunogen :	Synthesized peptide derived from human protein . at AA range: 90-170
Specificity :	M3K14 Polyclonal Antibody detects endogenous levels of protein.
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000 ELISA 1:5000-20000
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)
Observed Band :	104kD
Cell Pathway :	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
Background :	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],
Function :	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.,
Subcellular Location :	Cytoplasm.
Expression :	Weakly expressed in testis, small intestine, spleen, thymus, peripheral blood leukocytes, prostate, ovary and colon.

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