

## M4K2 Polyclonal Antibody

<b>Catalog No :</b>	YN1595
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	M4K2
<b>Fields :</b>	>>MAPK signaling pathway
<b>Gene Name :</b>	MAP4K2 GCK RAB8IP
<b>Protein Name :</b>	Mitogen-activated protein kinase kinase kinase kinase 2 (EC 2.7.11.1) (B lymphocyte serine/threonine-protein kinase) (Germinal center kinase) (GC kinase) (MAPK/ERK kinase kinase kinase 2) (MEK kinase
<b>Human Gene Id :</b>	5871
<b>Human Swiss Prot No :</b>	Q12851
<b>Mouse Swiss Prot No :</b>	Q61161
<b>Immunogen :</b>	Synthesized peptide derived from human protein . at AA range: 400-480
<b>Specificity :</b>	M4K2 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.
<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>	90kD
<b>Cell Pathway :</b>	MAPK_ERK_Growth;MAPK_G_Protein;
<b>Background :</b>	mitogen-activated protein kinase kinase kinase 2(MAP4K2) Homo sapiens The protein encoded by this gene is a member of the serine/threonine protein kinase family. Although this kinase is found in many tissues, its expression in lymphoid follicles is restricted to the cells of germinal centre, where it may participate in B-cell differentiation. This kinase can be activated by TNF-alpha, and has been shown to specifically activate MAP kinases. This kinase is also found to interact with TNF receptor-associated factor 2 (TRAF2), which is involved in the activation of MAP3K1/MEKK1. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015],
<b>Function :</b>	catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,function:Enhances MAP3K1 oligomerization, which may relieve amino-terminal mediated MAP3K1 autoinhibition and lead to activation following autophosphorylation. May play a role in the regulation of vesicle targeting or fusion.,sequence caution:Contaminating sequence. Sequence of unknown origin in the N-terminal part.,similarity:Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily.,similarity:Contains 1 CNH domain.,similarity:Contains 1 protein kinase domain.,subunit:Interacts with TRAF2, MAP3K1 and RAB8A.,tissue specificity:Highly expressed in germinal center but not mantle zone B-cells. Also expressed in lung, brain and placenta and at lower levels in other tissues examined.,
<b>Subcellular Location :</b>	Cytoplasm . Basolateral cell membrane ; Peripheral membrane protein . Golgi apparatus membrane ; Peripheral membrane protein .
<b>Expression :</b>	Highly expressed in germinal center but not mantle zone B-cells. Also expressed in lung, brain and placenta and at lower levels in other tissues examined.

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