Immunoway
Best Tools for immunology Research

MK04 Polyclonal Antibody

Catalog No : YN0091

Reactivity : Human;Mouse

Applications : WB;ELISA

Target : MK04

Fields : >>IL-17 signaling pathway

Gene Name : MAPK4 ERK4 PRKM4

Protein Name : Mitogen-activated protein kinase 4 (MAP kinase 4) (MAPK 4) (EC 2.7.11.24) (Extracellular signal-regulated kinase 4) (ERK-4) (MAP kinase isoform p63) (p63-MAPK)

Human Gene Id : 5596

Human Swiss Prot No : P31152

Mouse Swiss Prot No : Q6P5G0

Rat Swiss Prot No : Q63454

Immunogen : Synthesized peptide derived from human protein . at AA range: 410-490

Specificity : MK04 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 : 64kD

Background : Mitogen-activated protein kinase 4 is a member of the mitogen-activated protein kinase family. Tyrosine kinase growth factor receptors activate mitogen-activated protein kinases which then translocate into the nucleus and phosphorylate nuclear targets. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014],

Function : catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,function:Phosphorylates microtubule-associated protein 2 (MAP2). May promote entry in the cell cycle.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. MAP kinase subfamily.,similarity:Contains 1 protein kinase domain.,tissue specificity:High expression in heart and brain.,

Subcellular Location : Cytoplasm . Nucleus . Translocates to the cytoplasm following interaction with MAPKAPK5. .

Expression : High expression in heart and brain.

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