

MKK3 Rabbit pAb

CatalogNo: YT2717

| Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA, IHC

MW

- 39kD (Observed)

Isotype

- IgG

| Recommended Dilution Ratios

WB 1:500-2000

IHC 1:50-300

ELISA 1:2000-20000

| Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

| Basic Information

Clonality

Polyclonal

| Immunogen Information

Immunogen

The antiserum was produced against synthesized peptide derived from human MAP2K3. AA range:188-237

Specificity

MEK-3 Polyclonal Antibody detects endogenous levels of MEK-3 protein.

| Target Information

Gene name MAP2K3

Protein Name Dual specificity mitogen-activated protein kinase kinase 3

Organism	Gene ID	UniProt ID
Human	5606 ;	P46734 ;
Mouse	26397 ;	O09110 ;

Cellular Localization nucleoplasm,cytoplasm,cytosol,membrane,

Tissue specificity Abundant expression is seen in the skeletal muscle. It is also widely expressed in other tissues.

Function Catalytic activity:ATP + a protein = ADP + a phosphoprotein.,Disease:Defects in MAP2K3 may be involved in colon cancer.,enzyme regulation:Activated by dual phosphorylation on Ser-218 and Thr-222.,Function:Dual specificity kinase. Is activated by cytokines and environmental stress in vivo. Catalyzes the concomitant phosphorylation of a threonine and a tyrosine residue in the MAP kinase p38.,PTM:Autophosphorylated.,PTM:Phosphorylation on Ser-218 and Thr-222 by MAP kinase kinase kinases regulates positively the kinase activity.,PTM:Yersinia yopJ may acetylate Ser/Thr residues, preventing phosphorylation and activation, thus blocking the MAPK signaling pathway.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase subfamily.,similarity:Contains 1 protein kinase domain.,subunit:Binds to DYRK1B/MIRK and increases its kinase activity. Part of a complex with MAP3K3, RAC1 and CCM2. Interacts with Yersinia yopJ.,tissue specificity:Abundant expression is seen in the skeletal muscle. It is also widely expressed in other tissues.,

| Validation Data

| Contact information

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MKK3 Rabbit pAb

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