MKK3 (Phospho Ser189) /MKK6 (Phospho Ser207) (PT1372R) PT™ Rabbit mAb

CatalogNo: YM9214 Recombinant

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- WB,IHC,IF,IP,ELISA

MW
- 39kD,37kD (Calculated)
39kD,37kD (Observed)

Isotype
- IgG,Kappa

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

Recommended Dilution Ratios

IHC 1:100-1:500
WB 1:1000-1:5000
IF 1:200-1:1000
ELISA 1:5000-1:20000
IP 1:50-1:200

Basic Information

Clonality	Monoclonal
Clone Number	PT1372R

Immunogen Information

Immunogen	MKK3 (Phospho Ser189)/MKK6 (Phospho Ser207) (PT1372R) PT® Rabbit mAb

Specificity	MKK3 (Phospho Ser189)/MKK6 (Phospho Ser207) Antibody detects endogenous levels of MKK3/MEK6 protein only when phosphorylated at S189/S207.The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):IHrDV/VDsVA

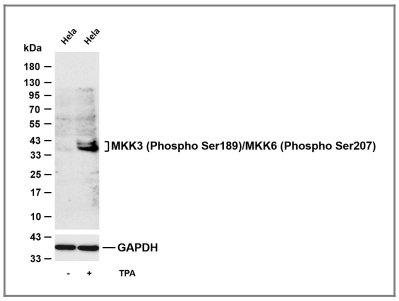
Target Information

Gene name	MAP2K3;MAP2K6
Protein Name	Serine protease HTRA2 mitochondrial

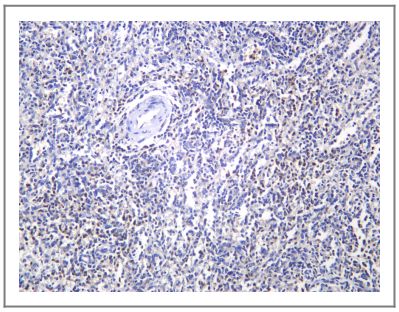
Organism	Gene ID	UniProt ID
Human	5606; 5608;	P46734; P52564;
Mouse	26397; 26399;	O09110; P70236;

Cellular Localization	Nucleus . Cytoplasm . Cytoplasm, cytoskeleton . Binds to microtubules.
Tissue specificity	Isoform 2 is only expressed in skeletal muscle. Isoform 1 is expressed in skeletal muscle, heart, and in lesser extent in liver or pancreas.
Function	Catalytic activity:ATP + a protein = ADP + a phosphoprotein.,enzyme regulation:Probably activated by dual phosphorylation on Ser-207 and Thr-211.,Function:Catalyzes the concomitant phosphorylation of a threonine and a tyrosine residue in MAP kinase p38 exclusively.,induction:Strongly activated by UV, anisomycin, and osmotic shock but not by phorbol esters, NGF or EGF.,PTM:Acetylation of Ser-207 and Thr-211 by Yersinia yopJ prevents phosphorylation and activation, thus blocking the MAPK signaling pathway.,PTM:Weakly autophosphorylated.,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:Interacts with Yersinia yopJ.,tissue specificity:Isoform 2 is only expressed in skeletal muscle. Isoform 1, on the other hand, is found in skeletal muscle, heart, and in lesser extent in liver or pancreas.,

Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-MKK3 (Phospho Ser189)/MKK6 (Phospho Ser207) (PT1372R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: Hela Lane 2: Hela was treated with TPA (200 ng/ml) for 15 minutes Predicted band size: 39,37kDa Observed band size: 39,37kDa



Human spleen was stained with anti-MKK3 (Phospho Ser189)/MKK6 (Phospho Ser207) (PT1372R) Rabbit antibody

Contact information

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Please scan the QR code to access additional product information:
MKK3 (Phospho Ser189) /MKK6 (Phospho Ser207) (PT1372R) PT™ Rabbit mAb