



MKK7 (phospho-Ser271/Thr275) mouse mAb

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|---------------------------|--|
| Catalog No | BYmab-14600 |
| Isotype | IgG |
| Reactivity | Human;Rat;Mouse; |
| Applications | WB |
| Gene Name | MAP2K7 JNKK2 MEK7 MKK7 PRKMK7 SKK4 |
| Protein Name | MKK7 (Ser271/Thr275) |
| Immunogen | Synthesized phosho peptide around human MKK7 (Ser271 and Thr275) |
| Specificity | This antibody detects endogenous levels of Human MKK7 (phospho-Ser271 or Thr275) |
| Formulation | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Source | Monoclonal, Mouse,IgG |
| Purification | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. |
| Dilution | WB 1:500-2000 |
| Concentration | 1 mg/ml |
| Purity | ≥90% |
| Storage Stability | -20°C/1 year |
| Synonyms | Dual specificity mitogen-activated protein kinase kinase 7 (MAP kinase kinase 7) (MAPKK 7) (EC 2.7.12.2) (JNK-activating kinase 2) (MAPK/ERK kinase 7) (MEK 7) (Stress-activated protein kinase kinase 4) (SAPK kinase 4) (SAPKK-4) (SAPKK4) (c-Jun N-terminal kinase kinase 2) (JNK kinase 2) (JNKK 2) |
| Observed Band | 47kD |
| Cell Pathway | Nucleus. Cytoplasm . |
| Tissue Specificity | Ubiquitous; with highest level of expression in skeletal muscle. Isoform 3 is found at low levels in placenta, fetal liver, and skeletal muscle. |
| Function | catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Activated by phosphorylation by specific MAP kinase kinase kinases such as MAP3K1/MEKK1, MAP3K3/MEKK3, MAP3K11/MLK3 and MAP3K12/DLK.,function:Stress activated, dual specificity kinase that activates the JUN kinases MAPK8/JNK1, MAPK9/JNK2 and MAPK10/JNK3.,PTM:Activated by phosphorylation on Ser/Thr.,similarity:Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase |

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kinase subfamily.,similarity:Contains 1 protein kinase domain.,tissue specificity:Ubiquitous; with highest level of expression in skeletal muscle. Isoform 3 is found at low levels in placenta, fetal liver, and skeletal muscle.,

Background

The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase specifically activates MAPK8/JNK1 and MAPK9/JNK2, and this kinase itself is phosphorylated and activated by MAP kinase kinase kinases including MAP3K1/MEKK1, MAP3K2/MEKK2, MAP3K3/MEKK5, and MAP4K2/GCK. This kinase is involved in the signal transduction mediating the cell responses to proinflammatory cytokines, and environmental stresses. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014],

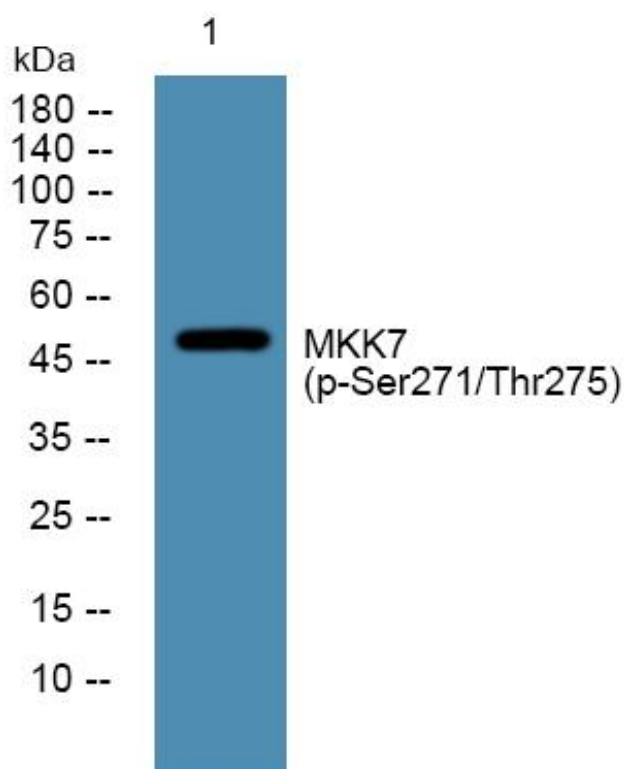
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using MKK7 (phospho-Ser271/Thr275) mouse mAb