

Anti-MKK3 (pT222) Antibody
Rabbit polyclonal antibody to MKK3 (pT222)
Catalog # AP60583

Specification

Anti-MKK3 (pT222) Antibody - Product Information

Application	WB, IF
Primary Accession	P46734
Other Accession	O09110
Reactivity	Human, Mouse, Zebrafish
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39318

Anti-MKK3 (pT222) Antibody - Additional Information

Gene ID 5606

Other Names

MEK3; MKK3; PRKMK3; SKK2; Dual specificity mitogen-activated protein kinase kinase 3; MAP kinase kinase 3; MAPKK 3; MAPK/ERK kinase 3; MEK 3; Stress-activated protein kinase kinase 2; SAPK kinase 2; SAPKK-2; SAPKK2

Target/Specificity

Recognizes endogenous levels of MKK3 (pT222) protein.

Dilution

WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/IC (1/100 - 1/500)
IF~~WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/IC (1/100 - 1/500)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-MKK3 (pT222) Antibody - Protein Information

Name MAP2K3

Synonyms MEK3, MKK3, PRKMK3, SKK2

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. Part of a signaling cascade that begins with the activation of the adrenergic receptor ADRA1B and leads to the activation of MAPK14.

Tissue Location

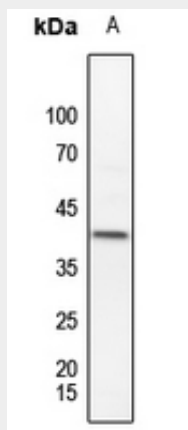
Abundant expression is seen in the skeletal muscle. It is also widely expressed in other tissues

Anti-MKK3 (pT222) Antibody - Protocols

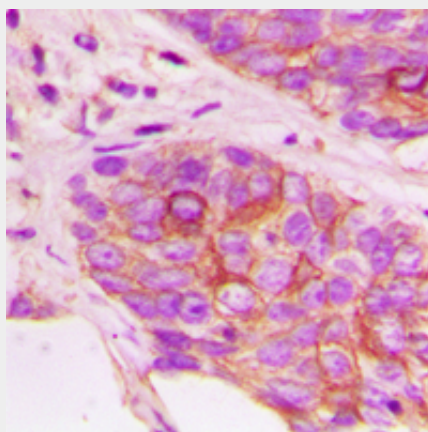
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

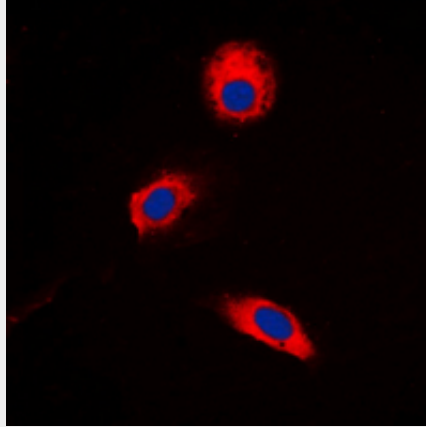
Anti-MKK3 (pT222) Antibody - Images



Western blot analysis of MKK3 (pT222) expression in zebrafish (A) whole cell lysates.



Immunohistochemical analysis of MKK3 (pT222) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of MKK3 (pT222) staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Anti-MKK3 (pT222) Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MKK3. The exact sequence is proprietary.