

KD-Validated Anti-MAP2K3 Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI1133**Specification****KD-Validated Anti-MAP2K3 Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC, ICC
Primary Accession	P46734
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 39 kDa, observed, 36 kDa kDa
Gene Name	MAP2K3
Aliases	MAP2K3; Mitogen-Activated Protein Kinase Kinase 3; MEK3; MKK3; Stress-Activated Protein Kinase Kinase 2; MAP Kinase Kinase 3; MAPK/ERK Kinase 3; MAPKK3; SAPKK2; PRKMK3; Dual Specificity Mitogen-Activated Protein Kinase Kinase 3; SAPK Kinase 2; EC 2.7.12.2; SAPKK-2; MAPKK 3; MEK 3; Dual Specificity Mitogen Activated Protein Kinase Kinase 3; SKK2
Immunogen	A synthesized peptide derived from human MEK3

KD-Validated Anti-MAP2K3 Rabbit Monoclonal Antibody - Additional Information

Gene ID	5606
Other Names	Dual specificity mitogen-activated protein kinase kinase 3, MAP kinase kinase 3, MAPKK 3, 2.7.12.2, MAPK/ERK kinase 3, MEK 3, Stress-activated protein kinase kinase 2, SAPK kinase 2, SAPKK-2, SAPKK2, MAP2K3, MEK3, MKK3, PRKMK3, SKK2

KD-Validated Anti-MAP2K3 Rabbit Monoclonal 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

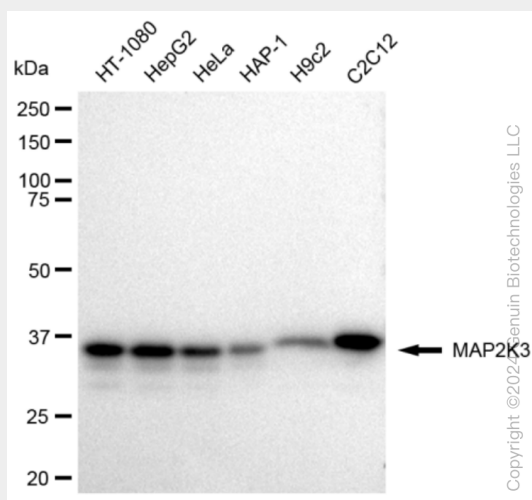
Abundant expression is seen in the skeletal muscle. It is also widely expressed in other tissues

KD-Validated Anti-MAP2K3 Rabbit Monoclonal Antibody - Protocols

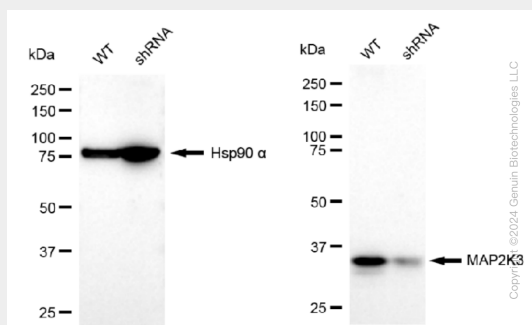
Provided below are standard protocols that you may find useful for product applications.

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

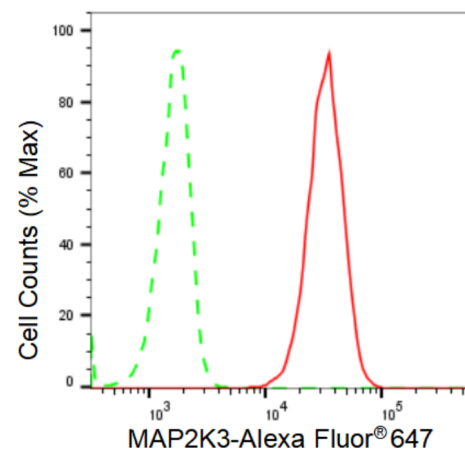
KD-Validated Anti-MAP2K3 Rabbit Monoclonal Antibody - Images



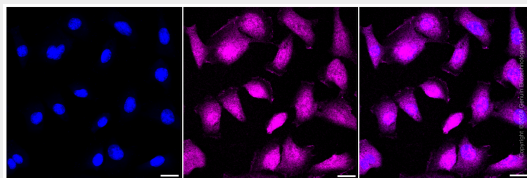
Western blotting analysis using anti-MAP2K3 antibody (Cat#AGI1133). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-MAP2K3 antibody (Cat#AGI1133, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-MAP2K3 antibody (Cat#AGI1133). MAP2K3 expression in wild type (WT) and MAP2K3 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-MAP2K3 antibody (Cat#AGI1133, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of MAP2K3 expression in C2C12 cells using MAP2K3 antibody (Cat#AGI1133, 1:2,000). Green, isotype control; red, MAP2K3.



Immunocytochemical staining of C2C12 cells with MAP2K3 antibody (Cat#AGI1133, 1:1,000). Nuclei were stained blue with DAPI; MAP2K3 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 μ m.