Mouse MAP2K2 Monoclonal Antibody | anti-MAP2K2 antibody

MAP2K2 antibody

CATALOG #	HOST	APPLICATIONS
AAA225000	**Mouse**	**Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA**

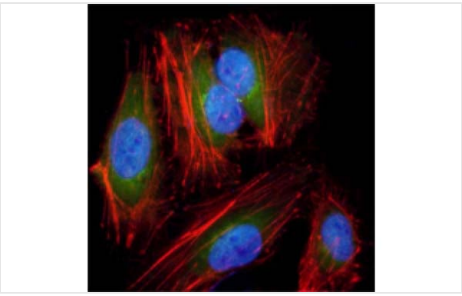
PRODUCT SYNONYMS

MAP2K2; Monoclonal Antibody; MAP2K2 antibody; Mouse monoclonal MAP2K2 antibody; Monoclonal MAP2K2 antibody; Anti-MAP2K2 antibody; Mitogen-Activated Protein Kinase 2 antibody; MAPKK2 antibody; MEK2 antibody; MKK2 antibody; PRKMK2 antibody; MAPK 2; MAPK-2; MAPK 2 antibody; MAPK-2 antibody; anti-MAP2K2 antibody

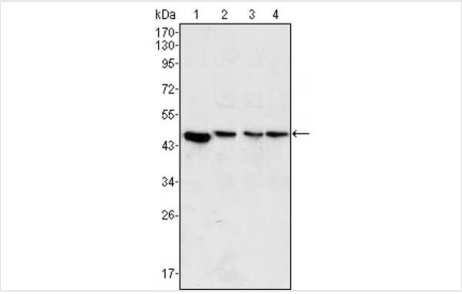
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	7F5
Form/Format	Liquid in ascitic fluid containing 0.03% sodium azide.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	407
Applicable Applications for anti-MAP2K2 antibody	WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Immunogen	MAP2K2 antibody was raised in Mouse using a purified recombinant fragment of human MAP2K2 expressed in E Coli as the immunogen.
Cross-Reactivity	Human, Mouse, Rat
Preparation and Storage	Store at 4 degree C for short term storage. Store at-20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

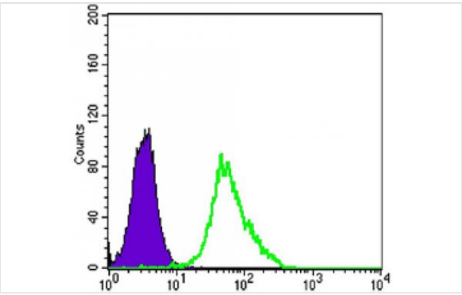
IMAGES



IF (Immunofluorescence)
Immunofluorescence analysis of Hela cells using anti-MAP2K2 antibody (green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.



WB (Western Blot)
Western Blot showing MAP2K2 antibody used against PC-12 (1), Jurkat (2), Hela (3) and NIH/3T3 (4) cell lysate.



FCM/FACS (Flow Cytometry)
FC analysis of Hela cells using anti-MAP2K2 antibody (green) and negative control (purple).

ADDITIONAL INFORMATION

Related Product Information for anti-MAP2K2 antibody	MAP2K2 is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase is known to play a critical role in mitogen growth factor signal transduction. It phosphorylates and thus activates MAPK1/ERK2 and MAPK2/ERK3. The activation of this kinase itself is dependent on the Ser/Thr phosphorylation by MAP kinase kinase kinases. Mutations in MAP2K2 gene cause cardiofaciocutaneous syndrome (CFC syndrome), a disease characterized by heart defects, mental retardation, and distinctive facial features similar to those found in Noonan syndrome. The inhibition or degradation of this kinase is also found to be involved in the pathogenesis of Yersinia and anthrax.
Product Categories/Family for anti-MAP2K2 antibody	Proteases; Inhibitors; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	1207834276
Molecular Weight	45,083 Da
NCBI Official Full Name	MAP2K2, partial
UniProt Protein Name	MAP2K2
UniProt Gene Name	**Celaphus_00003325**

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://www.aaabiotech.com/monoclonal/map2k2-antibody-clone-7f5-western-blot-immunofluorescence-flow-cytometry-elisa/225000