Mouse MAPK7 Monoclonal Antibody | anti-MAPK7 antibody

MAPK7 antibody

CATALOG #	HOST	APPLICATIONS
AAA108220	**Mouse**	**Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay**

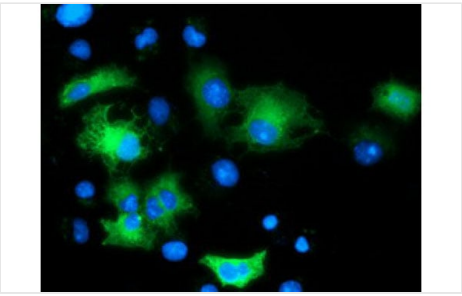
PRODUCT SYNONYMS

MAPK7; Monoclonal Antibody; MAPK7 antibody; Monoclonal MAPK7; Anti-MAPK7; Mitogen-activated protein kinase 7; ERK5; BMK1; PRKM7; Big MAP kinase 1; Extracellular signal-regulated kinase 5; MAPK 7; MAPK-7; anti-MAPK7 antibody

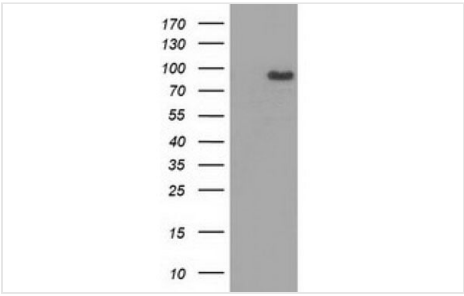
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	4D6
Purity/Purification	MAPK7 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	32
Applicable Applications for anti-MAPK7 antibody	WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	MAPK7 is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This kinase is specifically activated by mitogen-activated protein kinase kinase 5 (MAP2K5/MEK5). It is involved in the downstream signaling processes of various receptor molecules including receptor type kinases, and G protein-coupled receptors. In response to extracelluar signals, this kinase translocates to cell nucleus, where it regulates gene expression by phosphorylating, and activating different transcription factors.
Cross-Reactivity	Human
Immunogen	MAPK7 antibody was raised in mouse using a full length recombinant protein of human MAPK7 (NP_002740) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

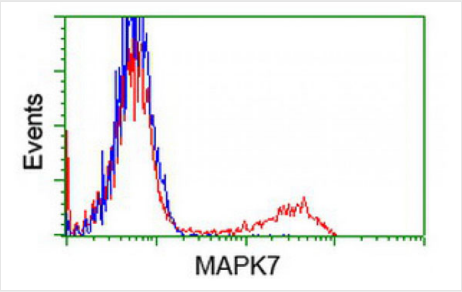
IMAGES



IF (Immunofluorescence)
Immunofluorescent staining of COS7 cells transiently transfected with recombinant MAPK7 protein using MAPK7 antibody



WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant MAPK7 protein (Right) or empty vector (Left) detected with MAPK7 antibody



FCM/FACS (Flow Cytometry)
Flow Cytometric analysis of HEK293T cells transfected with either recombinant MAPK7 protein (red) or empty vector (blue) stained using MAPK7 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-MAPK7 antibody	Mouse monoclonal MAPK7 antibody
Product Categories/Family for anti-MAPK7 antibody	Proteases; Inhibitors; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361046
Molecular Weight	3,591 Da
NCBI Official Full Name	MAPK7, partial
UniProt Protein Name	MAPK7
UniProt Gene Name	**MAPK7**
UniProt Entry Name	Q8MJ91_MACMU

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.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/mapk7-antibody-clone-4d6-western-blot-immunofluorescence-flow-cytometry-elisa/108220