

Mouse anti-Human MAPK3 Monoclonal Antibody | anti-MAPK3 antibody

MAPK3 (Mitogen-activated Protein Kinase 3, MAPK 3, MAP Kinase 3, ERT2, Extracellular Signal-regulated Kinase 1, ERK1, ERK-1, Insulin-stimulated MAP2 Kinase, MAP Kinase Isoform p44, Microtubule-associated Protein 2 Kinase, Mitogen-activated Protein Kinase

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA25446	Mouse	Human	ELISA, Immunohistochemistry, Western Blot

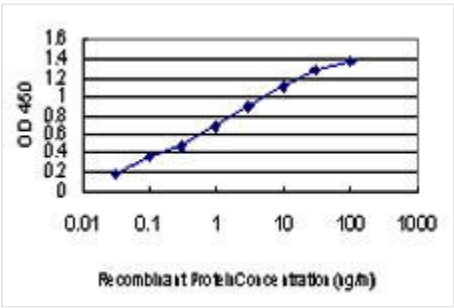
PRODUCT SYNONYMS

MAPK3; Monoclonal Antibody; MAPK3 (Mitogen-activated Protein Kinase 3; MAPK 3; MAP Kinase 3; ERT2; Extracellular Signal-regulated Kinase 1; ERK1; ERK-1; Insulin-stimulated MAP2 Kinase; MAP Kinase Isoform p44; Microtubule-associated Protein 2 Kinase; Mitogen-activated Protein Kinase; anti-MAPK3 antibody

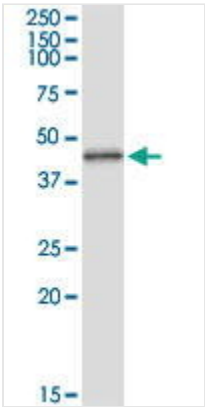
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	3C9
Specificity	Recognizes human MAPK3.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase (HRP).
Sequence Length	1813
Applicable Applications for anti-MAPK3 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	IHC-P: 3ug/ml Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa279-379, from human MAPK3, (AAH13992) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	NYLQSLPSKTKVAWAKLFPKSDSKALDLLDRMLTFNPNKRITVEEALAHPPYLEQYYDPTDEPVAEEPFTFAMELDDLPKERLKEKELIFQETARFQPGVLEAP
Conjugate	HRP
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

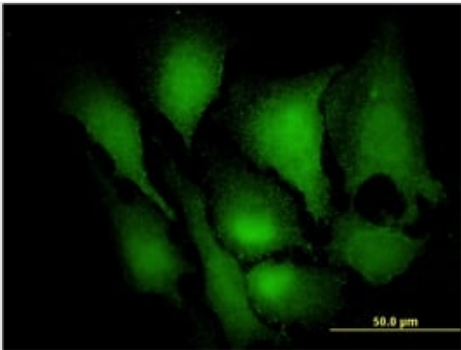
IMAGES



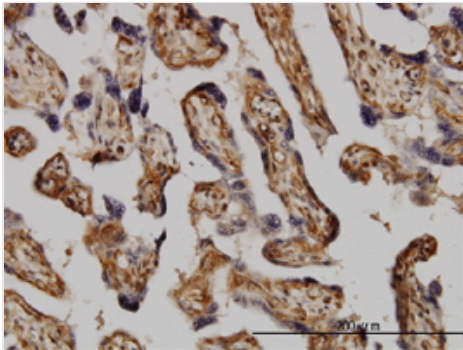
Application Data
Detection limit for recombinant GST tagged MAPK3 is ~0.1ng/ml as a capture antibody.



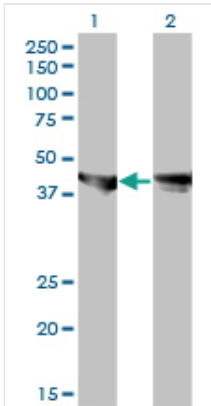
IP (Immunoprecipitation)
Immunoprecipitation of MAPK3 transfected lysate using MAPK3 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with MAPK3 monoclonal antibody



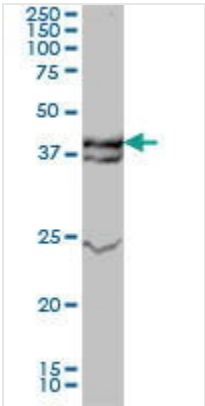
IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to MAPK3 on HeLa cell. [antibody concentration 25ug/ml]



IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to MAPK3 on formalin-fixed paraffin-embedded human placenta. [antibody concentration 3ug/ml]



WB (Western Blot)
Western Blot analysis of MAPK3 expression in transfected 293T cell line by MAPK3 monoclonal antibody. Lane 1: MAPK3 transfected lysate (43.1kD). Lane 2: Non-transfected lysate.



WB (Western Blot)
MAPK3 monoclonal antibody Western Blot analysis of MAPK3 expression in A-431.

ADDITIONAL INFORMATION

Product Categories/Family for anti-MAPK3 antibody	Antibodies; Protein Kinases
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NCBI AND UNIPROT INFORMATION

NCBI GI #	15559270
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NCBI GeneID	5595
NCBI Official Full Name	Homo sapiens mitogen-activated protein kinase 3, mRNA
NCBI Official Synonym Full Names	mitogen-activated protein kinase 3
NCBI Official Symbol	MAPK3
NCBI Official Synonym Symbols	ERK1; ERT2; ERK-1; PRKM3; P44ERK1; P44MAPK; HS44KDAP; HUMKER1A; p44-ERK1; p44-MAPK
NCBI Protein Information	mitogen-activated protein kinase 3

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/mapk3-antibody-clone-3c9-immunohistochemistry-western-blot-elisa/25446>