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

MAPK3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283432	**Mouse**	**Human, mouse**	**ELISA, Western Blot**

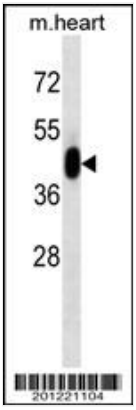
PRODUCT SYNONYMS

MAPK3; Monoclonal Antibody; MAPK3 Antibody; Mitogen-activated protein kinase 3; MAP kinase 3; MAPK 3; ERT2; Extracellular signal-regulated kinase 1; ERK-1; Insulin-stimulated MAP2 kinase; MAP kinase isoform p44; p44-MAPK; Microtubule-associated protein 2 kinase; p44-ERK1; ERK1; PRKM3; anti-MAPK3 antibody

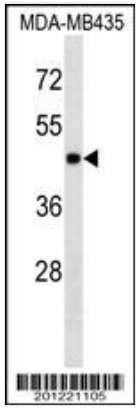
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, mouse
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	327CT18.1.2
Specificity	This MAPK3 monoclonal antibody is generated from mouse immunized with MAPK3 recombinant protein.
Form/Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Concentration	Vial Concentration: 0.45 (varies by lot)
Sequence Length	357
Applicable Applications for anti-MAPK3 antibody	ELISA, WB (Western Blot)
Antigen Type	Recombinant Protein
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
MAPK3 Antibody western blot analysis in mouse heart tissue lysates (35ug/lane).This demonstrates the MAPK3 antibody detected the MAPK3 protein (arrow).



WB (Western Blot)
MAPK3 Antibody western blot analysis in MDA-MB435 cell line lysates (35ug/lane).This demonstrates the MAPK3 antibody detected the MAPK3 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-MAPK3 antibody	The protein encoded by this gene is a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act in a signaling cascade that regulates various cellular processes such as proliferation, differentiation, and cell cycle progression in response to a variety of extracellular signals. This kinase is activated by upstream kinases, resulting in its translocation to the nucleus where it phosphorylates nuclear targets. Alternatively spliced transcript variants encoding different protein isoforms have been described.
Product Categories/Family for anti-MAPK3 antibody	Cancer; Cell Biology; Immunology; Signal Transduction
References	Yotsumoto, F., et al. Cancer Sci. 101(11):2351-2360(2010) Arana-Argaez, V.E., et al. J. Biol. Chem. 285(43):32824-32833(2010) Collier, M.E., et al. Arterioscler. Thromb. Vasc. Biol. 30(9):1810-1817(2010) Lujan, B., et al. Br. J. Cancer 103(4):510-516(2010) Meng, S., et al. J Mol Cell Biol 2(4):223-230(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	91718897
NCBI GeneID	5595
NCBI Accession #	NP_001035145.1; NP_001103361.1; NP_002737.2
NCBI GenBank Nucleotide #	NM_001040056.2
UniProt Accession #	P27361; Q8NHX1; A8CZ58; B0LPG3
Molecular Weight	43136
NCBI Official Full Name	mitogen-activated protein kinase 3 isoform 2
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

UniProt Protein Name	Mitogen-activated protein kinase 3
UniProt Gene Name	**MAPK3**
UniProt Synonym Gene Names	ERK1; PRKM3; MAP kinase 3; MAPK 3; ERK-1; p44-MAPK
UniProt Entry Name	MK03_HUMAN

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://www.aaabiotech.com/monoclonal/mapk3-antibody-clone-327ct18-1-2-western-blot-elisa/283432