

Rabbit anti-Mouse Mapk3 Polyclonal Antibody | anti-Mapk3 antibody

Mouse Mapk3 Antibody (C-term)

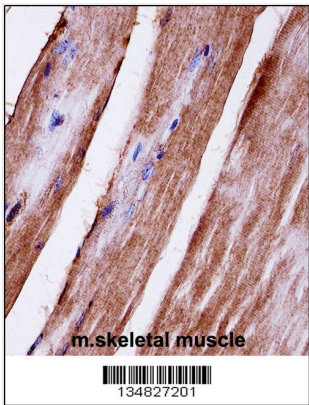
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284012	Rabbit	Mouse	Western Blot, Immunohistochemistry, ELISA, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

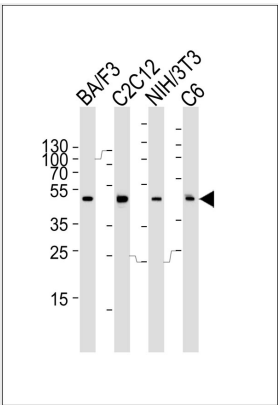
Mapk3; Polyclonal Antibody; Mouse Mapk3 Antibody (C-term); Mitogen-activated protein kinase 3; MAP kinase 3; MAPK 3; ERT2; Extracellular signal-regulated kinase 1; ERK-1; Insulin-stimulated MAP2 kinase; MAP kinase isoform p44; p44-MAPK; MNK1; Microtubule-associated protein 2 kinase; p44-ERK1; Erk1; Prkm3; anti-Mapk3 antibody

PRODUCT SPECIFICATIONS

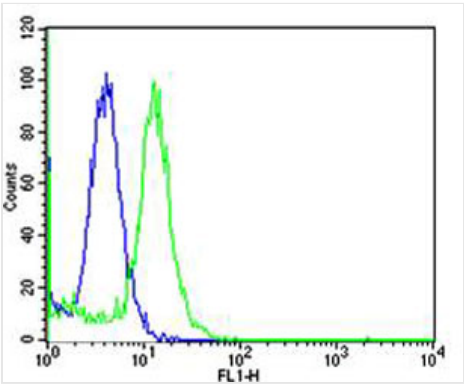
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Mouse Mapk3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 353-380 amino acids from the C-terminal region of mouse Mapk3.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	353-380
Sequence Length	380
Applicable Applications for anti-Mapk3 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA, FCM/FACS (Flow Cytometry)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	MOUSE
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.



IHC (Immunohistochemistry)
Mouse Mapk3 Antibody (C-term) (AAA284012) immunohistochemistry analysis in formalin fixed and paraffin embedded mouse skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of Mouse Mapk3 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of lysates from mouse BAF3, C2C12, NIH3T3 and rat C6 cell line (from left to right), using Mouse Mapk3 Antibody (C-term). AAA284012 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of Hela cells using Mouse Mapk3 Antibody (C-term) (green) compared to an isotype control of rabbit IgG (blue). AAA284012 was diluted at 1:25 dilution. An Alexa Fluor 488 goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-Mapk3 antibody	Involved in both the initiation and regulation of meiosis, mitosis, and postmitotic functions in differentiated cells by phosphorylating a number of transcription factors such as ELK-1. Phosphorylates EIF4EBP1; required for initiation of translation. Phosphorylates microtubule-associated protein 2 (MAP2) and heat shock factor protein 4 (HSF4) (By similarity). Phosphorylates SPZ1.
Product Categories/Family for anti-Mapk3 antibody	Crown Antibodies; Cancer; Cell Biology; Neuroscience; Signal Transduction
References	Chen, W., et al. Biochem. Biophys. Res. Commun. 401(3):339-343(2010) Chandrakesan, P., et al. J. Biol. Chem. 285(43):33485-33498(2010) Alter, B.J., et al. J. Neurosci. 30(34):11537-11547(2010) Spruce, T., et al. Dev. Cell 19(2):207-219(2010) Bremer, J., et al. PLoS ONE 5 (8), E12450 (2010) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	21489933
NCBI GeneID	26417
NCBI Accession #	NP_036082.1

NCBI GenBank Nucleotide #	NM_011952.2
UniProt Accession #	Q63844 ; Q61531 ; Q8K0X5 ; Q91YW5
Molecular Weight	43066
NCBI Official Full Name	mitogen-activated protein kinase 3
NCBI Official Synonym Full Names	mitogen-activated protein kinase 3
NCBI Official Symbol	Mapk3
NCBI Official Synonym Symbols	p44; Erk1; Ert2; Mnk1; Erk-1; Esrk1; Prkm3; Mtap2k; p44erk1; p44mapk
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_MOUSE

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://stage.aaabiotech.com/polyclonal/mapk3-antibody-western-blot-immunohistochemistry-flow-cytometry-elisa/284012>