

Rabbit ERK1 Polyclonal Antibody | anti-MAPK3 antibody

Anti-ERK1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45032	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Immunohistochemistry, Western Blot

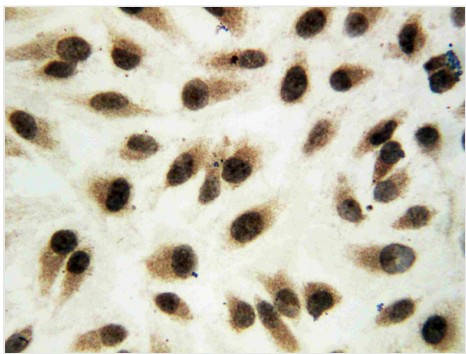
PRODUCT SYNONYMS

ERK1; Polyclonal Antibody; Anti-ERK1 antibody; Mitogen-activated protein kinase 3(MAP kinase 3/MAPK 3); mitogen-activated protein kinase 3; ERK 1 antibody; ERK antibody; ERK-1 antibody; ERK1 antibody; ERT 2 antibody; ERT2 antibody; Extracellular Signal Regulated Kinase 1 antibody; Extracellular signal related kinase 1 antibody; Extracellular signal-regulated kinase 1 antibody; HGNC6877 antibody; HS44KDAP antibody; HUMKER1A antibody; Insulin Stimulated MAP2 Kinase antibody; Insulin-stimulated MAP2 kinase antibody; MAP kinase 1 antibody; MAP kinase 3 antibody; MAP Kinase antibody; MAP kinase isoform p44 antibody; MAPK 1 antibody; MAPK 3 antibody; MAPK antibody; MAPK1 antibody; Mapk3 antibody; MGC20180 antibody; Microtubule Associated Protein 2 Kinase antibody; Microtubule-associated protein 2 kinase antibody; Mitogen Activated Protein Kinase 3 antibody; Mitogen-activated protein kinase 1 antibody; Mitogen-activated protein kinase 3 antibody; MK03_HUMAN antibody; OTTHUMP00000174538 antibody; OTTHUMP00000174541 antibody; p44 ERK1 antibody; p44 MAPK antibody; p44-ERK1 antibody; p44-MAPK antibody; P44ERK1 antibody; P44MAPK antibody; PRKM 3 antibody; PRKM3 antibody; Protein Kinase Mitogen Activated 3 antibody; anti-MAPK3 antibody

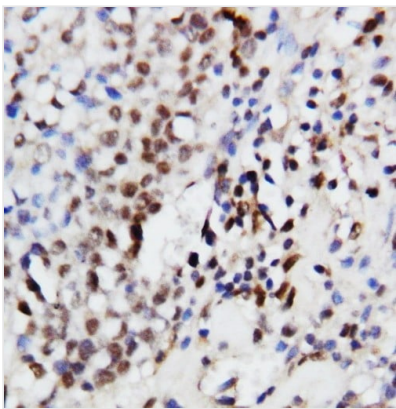
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	379
Applicable Applications for anti-MAPK3 antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human ERK1 (287-301aa KTKVAWAKLFPKSDS), identical to the related mouse and rat sequences.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

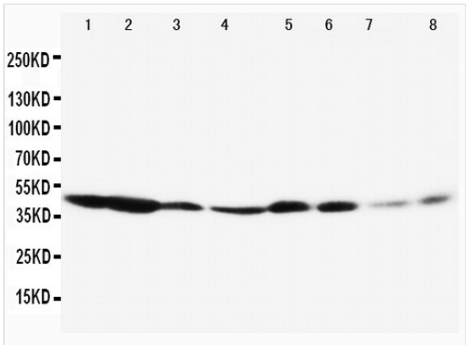
IMAGES



IHC (Immunohistochemisry)
Anti-ERK1 antibody, AAA45032, IHC(P)ICC: HELA Cell



IHC (Immunohiostchemistry)
Anti-ERK1 antibody, AAA45032, IHC(P)IHC(P): Human Mammary Cancer Tissue



WB (Western Blot)
Anti-ERK1 antibody, AAA45032, Western blottingLane 1: Rat Spleen Tissue LysateLane 2:
Rat Thymus Tissue LysateLane 3: Rat Skeletal Muscle Tissue LysateLane 4: Rat Kidney
Tissue LysateLane 5: HELA Cell LysateLane 6: JURKAT Cell LysateLane 7: RAJI Cell
LysateLane 8: COLO320 Cell Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-MAPK3 antibody

Description: Rabbit IgG polyclonal antibody for Mitogen-activated protein kinase 3(MAPK3) detection. Tested with WB, IHC-P, ICC in Human, Mouse, Rat.

Background: Mitogen-activated protein kinase 3 is an enzyme that in humans is encoded by the MAPK3 gene.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. MAPK3 gene is mapped to human chromosome 16 by hybrid cell panel analysis.

NCBI AND UNIPROT INFORMATION

NCBI GI #	232066
NCBI GeneID	5595
UniProt Accession #	P27361; Q8NHX1; A8CZ58; B0LPG3
Molecular Weight	40,088 Da
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	ERK1; ERT2; ERK-1; PRKM3; P44ERK1; P44MAPK; HS44KDAP; HUMKER1A; p44-ERK1; p44-MAPK
NCBI Protein Information	mitogen-activated protein kinase 3; MAPK 1; MAP kinase isoform p44; insulin-stimulated MAP2 kinase; extracellular signal-related kinase 1; extracellular signal-regulated kinase 1; microtubule-associated protein 2 kinase
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://stage.aaabiotech.com/polyclonal/erk1-antibody-immunocytochemistry-immunohistochemistry-western-blot-elisa/45032>