

Rabbit MAPK3 / ERK1 Polyclonal Antibody | anti-MAPK3 antibody

Rabbit Polyclonal to Human MAPK3 / ERK1

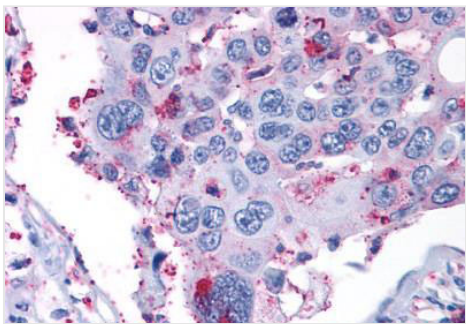
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50819	Rabbit	Gibbon, Gorilla, Human, Monkey Predicted Reactivity: Mouse, Rat, Bovine, Dog, Hamster, Horse, Pig, Rabbit (at least 90% immunogen sequence identity)	Immunohistochemistry

PRODUCT SYNONYMS

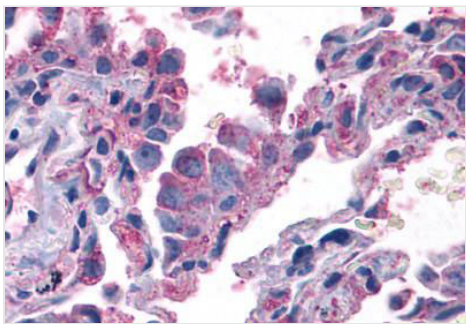
MAPK3 / ERK1; Polyclonal Antibody; Rabbit Polyclonal to Human MAPK3 / ERK1; Anti-MAPK3 / ERK1 Antibody (Internal) IHC-plus; MAPK3; ERK-1; ERT2; HUMKER1A; HS44KDAP; MAP kinase 1; MAP kinase isoform p44; MAPK 1; MAPK 3; p44; p44MAPK; p44-MAPK; p44ERK1; Insulin-stimulated MAP2 kinase; MAP kinase 3; p44-ERK1; ERK1; PRKM3; Human MAPK3; anti-MAPK3 antibody

PRODUCT SPECIFICATIONS

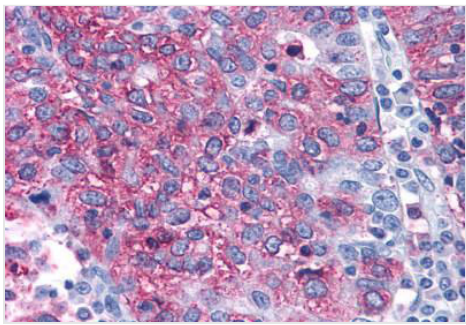
Host	Rabbit
Reactivity	Gibbon, Gorilla, Human, Monkey Predicted Reactivity: Mouse, Rat, Bovine, Dog, Hamster, Horse, Pig, Rabbit (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human MAPK3 / ERK1. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except MAPK1 (70%).
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	357
Applicable Applications for anti-MAPK3 antibody	IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic 20 amino acid peptide from internal region of human MAPK3 / ERK1. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset (100%); Mouse, Rat, Bovine, Hamster, Elephant, Panda, Horse, Pig (95%).
Immunogen Type	Synthetic peptide
Immunogen	MAPK3 / ERK1 antibody was raised against synthetic 20 amino acid peptide from internal region of human MAPK3 / ERK1. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset (100%); Mouse, Rat, Bovine, Hamster, Elephant, Panda, Horse, Pig (95%); Dog, Rabbit, Opossum, Platypus (90%); Bat (85%).
Antigen Modification	Internal
Preparation and Storage	Long term: -70 degree C; Short term: +4 degree C



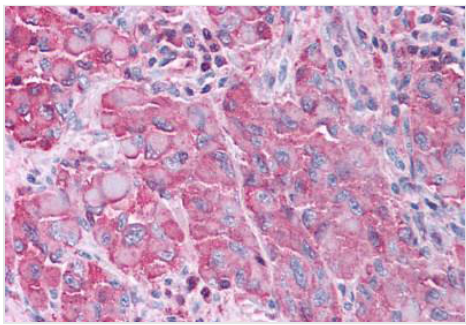
IHC (Immunohistochemistry)
Anti-MAPK3 / ERK1 antibody IHC of human Colon, Carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



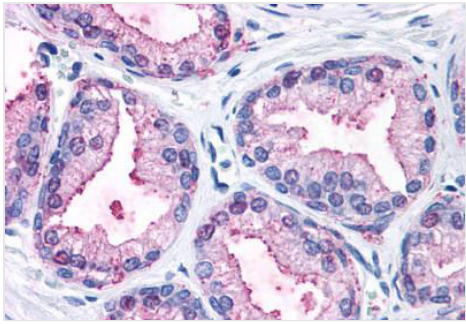
IHC (Immunohistochemistry)
Anti-MAPK3 / ERK1 antibody IHC of human Lung, Non-Small Cell Carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)
Anti-MAPK3 / ERK1 antibody IHC of human Ovary, Carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)
Anti-MAPK3 / ERK1 antibody IHC of human Skin, Melanoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)
Anti-MAPK3 / ERK1 antibody IHC of human prostate. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-MAPK3 antibody	ERK1, a MAPK -type protein kinase, is a member of the Ras-MAPK pathway. This pathway modulates the activity of transcription factors, structural proteins, and other protein kinases, leading to biological responses such as cell proliferation and differentiation. Inactive ERK1 associates with MAPK/ERK kinases (MEK) 1 and 2 in the cytosol. Upon stimulation, MEK1/2 phosphorylates and activates ERK1 causing dissociation of the MEK/ERK complex.
Product Categories/Family for anti-MAPK3 antibody	Family: Protein Kinase; Subfamily: MAPK

NCBI AND UNIPROT INFORMATION

NCBI GI #	91718897
NCBI GeneID	5595

NCBI Accession #	NP_001035145.1
NCBI GenBank Nucleotide #	NM_001040056.2
UniProt Accession #	P27361 ; Q8NHX1 ; A8CZ58 ; B0LPG3
Molecular Weight	40,088 Da
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; 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/mapk3-erk1-antibody-immunohistochemistry-elisa/50819>