

Mouse ERK1 Monoclonal Antibody | anti-ERK1 antibody

ERK1 Mouse Monoclonal Antibody (5E9)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320521	Mouse	Human, Rat, Mouse	Immunohistochemistry, Immunocytochemistry, Immunofluorescence

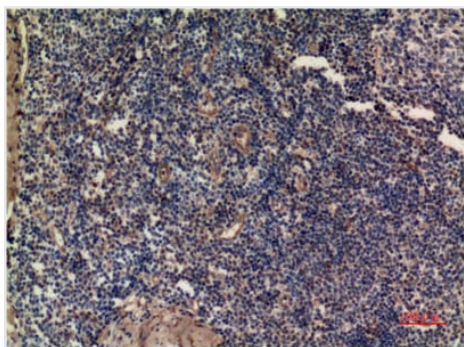
PRODUCT SYNONYMS

ERK1; Monoclonal Antibody; ERK1 Mouse Monoclonal Antibody (5E9); MAPK3; anti-ERK1 antibody

PRODUCT SPECIFICATIONS

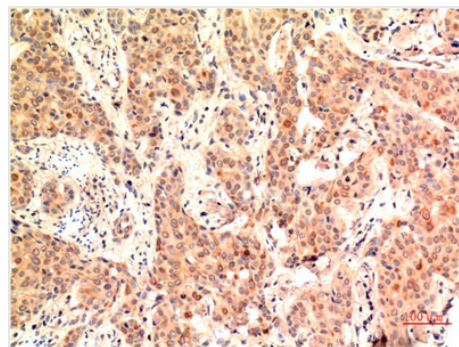
Host	Mouse
Reactivity	Human, Rat, Mouse
Clonality	Monoclonal
Clone Number	5E9
Specificity	ERK1 protein detects endogenous levels of MAPK3
Purity/Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-ERK1 antibody	IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence)
Immunogen	Recombinant Protein of ERK1 of MAPK3
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



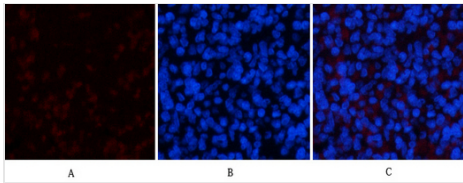
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Human-uterus tissue. 1. ERK1 Mouse Monoclonal Antibody (5E9) was diluted at 1:200 (4 degree C. overnight). 2. Sodium citrate pH 6.0 was used for antibody retrieval (>98 degree C. 20min). 3. Secondary antibody was diluted at 1:200 (room temperature. 30min). Negative control was used by secondary antibody only.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Human Tonsil Tissue using ERK1 Mouse mAb diluted at 1:200.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded Human Breast Carcinoma Tissue using ERK1 Mouse mAb diluted at 1:200.

ADDITIONAL INFORMATION

Related Product Information for anti-ERK1 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. [provided by RefSeq, Jul 2008]
Product Categories/Family for anti-ERK1 antibody	Primary Antibodies

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	43,136 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.