

ERK 8 rabbit pAb

Cat No.: ES5242

For research use only

Overview

Product Name ERK 8 rabbit pAb

Host species Rabbit
Applications IHC;IF;ELISA

Species Cross-Reactivity Human; Rat; Mouse;

Recommended dilutions Immunohistochemistry: 1/100 - 1/300.

Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.

Immunogen The antiserum was produced against synthesized

peptide derived from human MAPK15. AA

range:361-410

Specificity ERK 8 Polyclonal Antibody detects endogenous

levels of ERK 8 protein.

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and

0.02% sodium azide.

Store at -20°C. Avoid repeated freeze-thaw cycles.

Protein Name Mitogen-activated protein kinase 15

Gene Name MAPK15

Cytoplasm, cytoskeleton, cilium basal body . Cell

junction, tight junction. Cytoplasm, cytoskeleton,

microtubule organizing center, centrosome, centriole. Cytoplasmic vesicle, autophagosome. Golgi apparatus. Nucleus. Cytoplasm. Cytoplasm,

cytoskelet

Purification The antibody was affinity-purified from rabbit

antiserum by affinity-chromatography using

epitope-specific immunogen.

Clonality Polyclonal Concentration 1 mg/ml

Observed band

Human Gene ID 225689 Human Swiss-Prot Number Q8TD08

Alternative Names MAPK15; ERK7; ERK8; Mitogen-activated protein

kinase 15; MAP kinase 15; MAPK 15; Extracellular



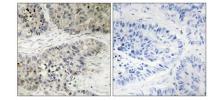
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Background

signal-regulated kinase 7; ERK-7; Extracellular signal-regulated kinase 8; ERK-8 catalytic activity:ATP + a protein = ADP + a phosphoprotein.,domain:The N-terminal region (1-20) is the minimal region necessary for ubiquitination and further proteosomal degradation.,domain:The TXY motif contains the threonine and tyrosine residues whose phosphorylation activates the MAP kinases.,enzyme regulation: Activated by threonine and tyrosine phosphorylation. Inhibited by dual specificity phosphatases, such as DUSP1.,function:In vitro, phosphorylates MBP.,PTM:Dually phosphorylated on Thr-175 and Tyr-177, which activates the enzyme. Autophosphorylated on threonine and tyrosine residues in vitro.,PTM:Ubiquitinated. Ubiquitination may allow its tight kinase activity regulation and rapid turnover. May be ubiquitinated by a SCF E3 ligase., similarity: Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. MAP kinase subfamily., similarity: Contains 1 protein kinase domain., subunit: Interacts with CSK/c-Src, ABL1, RET and TGFB1I1., tissue specificity: Widely expressed with a maximal expression in lung and kidney.,

Immunohistochemistry analysis of paraffin-embedded human lung carcinoma, using MAPK15 Antibody. The picture on the right is blocked with the synthesized peptide.



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