

Anti-ERK 8 antibody



Description	Rabbit polyclonal to ERK 8.
Model	STJ92996
Host	Rabbit
Reactivity	Human
Applications	ELISA, IF, IHC
Immunogen	Synthesized peptide derived from human ERK 8
Immunogen Region	330-410 aa, Internal
Gene ID	225689
Gene Symbol	MAPK15
Dilution range	IHC 1:100-1:300IF 1:200-1:1000ELISA 1:5000
Specificity	ERK 8 Polyclonal Antibody detects endogenous levels of ERK 8 protein.
Tissue Specificity	Widely expressed with a maximal expression in lung and kidney.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Mitogen-activated protein kinase 15 MAP kinase 15 MAPK 15 Extracellular signal-regulated kinase 7 ERK-7 Extracellular signal-regulated kinase 8 ERK-8
Molecular Weight	60 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:24667 OMIM:NA
Alternative Names	Mitogen-activated protein kinase 15 MAP kinase 15 MAPK 15 Extracellular signal-regulated kinase 7 ERK-7 Extracellular signal-regulated kinase 8 ERK-8
Function	In vitro, phosphorylates MBP.
Sequence and Domain Family	The N-terminal region (1-20) is the minimal region necessary for ubiquitination and further proteasomal degradation. The TXY motif contains the threonine and tyrosine residues whose phosphorylation activates the MAP kinases.
Post-translational Modifications	Dually phosphorylated on Thr-175 and Tyr-177, which activates the enzyme. Autophosphorylated on threonine and tyrosine residues in vitro. Ubiquitinated. Ubiquitination may allow its tight kinase activity regulation and rapid turnover. May be ubiquitinated by a SCF E3 ligase .

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