

Rabbit ERK8 Polyclonal Antibody | anti-ERK8 antibody

Phospho-ERK8 (Tyr177) Antibody

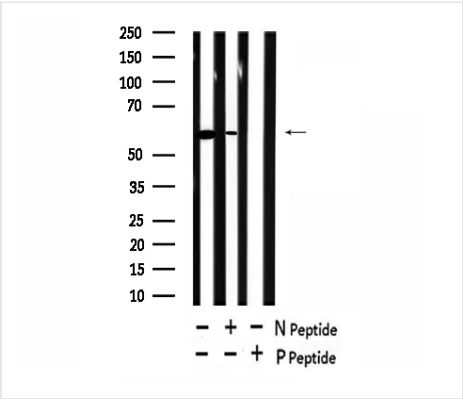
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328541	Rabbit	Human, Mouse, Rat Predicted: Pig, Zebrafish, Bovine, Sheep, Rabbit, Dog, Chicken, Xenopus	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

ERK8; Polyclonal Antibody; Phospho-ERK8 (Tyr177) Antibody; ERK-7; ERK-8; ERK7; Extracellular regulated kinase 8 delta; Extracellular signal regulated kinase 8; Extracellular signal-regulated kinase 7; Extracellular signal-regulated kinase 8; MAP kinase 15; MAPK 15; Mapk15; Mitogen activated protein kinase 15; Mitogen-activated protein kinase 15; MK15_HUMAN; anti-ERK8 antibody

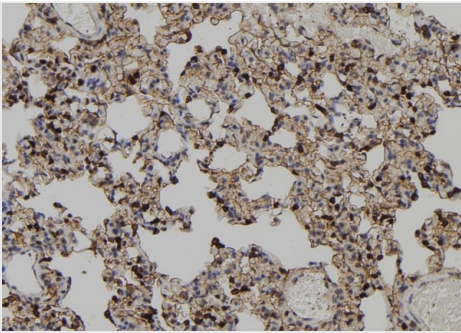
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Pig, Zebrafish, Bovine, Sheep, Rabbit, Dog, Chicken, Xenopus
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-ERK8 (Tyr177) Antibody detects endogenous levels of ERK8 only when phosphorylated at Tyr177.
Purity/Purification	Purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	544
Applicable Applications for anti-ERK8 antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ERK8 around the phosphorylation site of Tyr177.
Tissue Specificity	Widely expressed with a maximal expression in lung and kidney.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



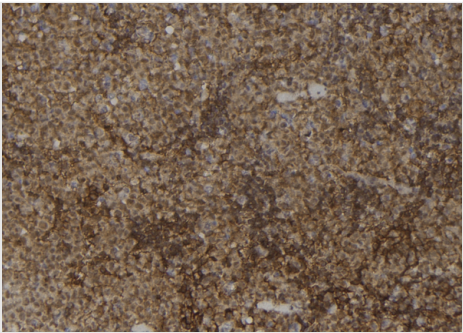
WB (Western Blot)

Western blot analysis of Phospho-ERK8 (Tyr177) in lysates of Jurkat, using Phospho-ERK8 (Tyr177) Antibody.



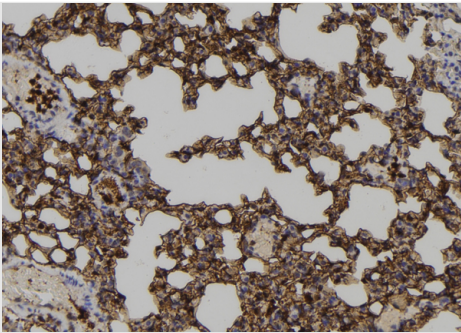
IHC (Immunohistochemistry)

At 1/100 staining rat lung tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



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ADDITIONAL INFORMATION

Related Product Information for anti-ERK8 antibody	Description: In vitro, phosphorylates MBP.
	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 (By similarity).
	Subunit Structure: Interacts with CSK/c-Src, ABL1, RET and TGFB1I1.
	Similarity: 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. Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. MAP kinase subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	95147356
NCBI GeneID	225689
NCBI Accession #	NP_620590.2
NCBI GenBank Nucleotide #	NP_620590.2
UniProt Accession #	Q8TD08

Molecular Weight	Observed: 60 kDa Predicted: 60 kDa
NCBI Official Full Name	mitogen-activated protein kinase 15
NCBI Official Synonym Full Names	mitogen-activated protein kinase 15
NCBI Official Symbol	MAPK15
NCBI Official Synonym Symbols	ERK7; ERK8
NCBI Protein Information	mitogen-activated protein kinase 15
UniProt Protein Name	Mitogen-activated protein kinase 15
UniProt Gene Name	MAPK15
UniProt Synonym Gene Names	ERK7; ERK8; MAP kinase 15; MAPK 15; ERK-7; ERK-8
UniProt Entry Name	MK15_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/erk8-antibody-peptide-elisa-immunohistochemistry-western-blot-elisa/328541>