



Rabbit Anti-phospho-MAPK15 (Thr175 + Tyr177) antibody

SL18670R

Product Name:	phospho-MAPK15 (Thr175 + Tyr177)
Chinese Name:	磷酸化丝裂原活化蛋白激酶15抗体
Alias:	MAPK15 (phospho T175 + Y177); p-MAPK15 (T175 + Y177); phospho-MAPK15 (T175 + Y177); ERK-7; ERK-8; ERK7; ERK8; 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.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	60kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthesised phosphopeptide derived from human MAPK15 around the phosphorylation site of Thr175 + Tyr177:AV(p-T)E(p-Y)VA
Isotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PubMed:[PubMed](#)

MAPK15 is a 544 amino acid protein that belongs to the CMGC Ser/Thr protein kinase family (MAP kinase subfamily). MAP kinases play a significant role in many biological processes, including cell adhesion and spreading, cell differentiation and apoptosis. MAPK15 functions as a catalytic kinase using ATP to produce ADP and a phosphoprotein. A TXY motif, containing one threonine and one tyrosine residue, activates the MAP kinases upon phosphorylation. MAPK15 is a ubiquitously expressed protein with highest expression found in lung and kidney.

Function:

In vitro, phosphorylates MBP.

Tissue Specificity:

Widely expressed with a maximal expression in lung and kidney.

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.

Similarity:

Belongs to the protein kinase superfamily.
CMGC Ser/Thr protein kinase family.
MAP kinase subfamily.
Contains 1 protein kinase domain.

SWISS:

Q8TD08

Gene ID:

225689

Database links:

[Entrez Gene: 225689](#) Human

[SwissProt: Q8TD08](#) Human

[Unigene: 493169](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Product Detail:

