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Rabbit Anti-Phospho-MEK6 (Ser207)/AP Conjugated antibody

SL3275R-AP

Product Name	Anti-Phospho-MEK6 (Ser207)/AP
Chinese Name	碱性磷酸酶（AP）标记的磷酸化丝裂原活化蛋白激酶 MKK6 抗体
Alias	MEK6 (phospho S207); p-MEK6 (phospho S207); MAP kinase kinase 6; MAPK/ERK kinase 6; MAPKK6; MEK6; Mitogen Activated Protein Kinase Kinase 6; MKK 6; MKK6; PRKMK6; SAPKK3; Dual specificity mitogen activated protein kinase kinase 6; MKK 6; Dual specificity mitogen activated protein kinase kinase 6; EC 2.7.12.2; MP2K6_HUMAN.
Product Type	Phosphorylated anti
Research Area	Tumour Cell biology immunology Signal transduction Apoptosis transcriptional regulatory factor Kinases and Phosphatases The cell membrane 受体
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Mouse,Rat(predicted:Human)
Applications	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	37kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthesised phosphopeptide derived from human MEK6 around the phosphorylation site of Ser207
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks

at 2-4 °C.

background:
Mitogen activated protein kinase kinase 6 (MEK6 or MKK6) belongs to the serine/threonine protein kinase family and the MAPK kinase subfamily (MAP2K, MKK or MEKs). MEK6, closely related to MEK3, catalyzes the concomitant phosphorylation of a threonine and a tyrosine residue in MAP kinase p38, thus activating it, in response to inflammatory cytokines and environmental stress. As an essential component of p38 MAP kinase mediated signal transduction pathway, this protein is involved in many cellular processes such as stress induced cell cycle arrest, transcription activation and apoptosis.

Function:
Catalyzes the concomitant phosphorylation of a threonine and a tyrosine residue in MAP kinase p38 exclusively.

Subunit:
Interacts with Yersinia yopJ.

Tissue Specificity:
Isoform 2 is only expressed in skeletal muscle. Isoform 1 is expressed in skeletal muscle, heart, and in lesser extent in liver or pancreas.

Product Detail

Post-translational modifications:
Weakly autophosphorylated. Phosphorylated by TAOK2.
Acetylation of Ser-207 and Thr-211 by Yersinia yopJ prevents phosphorylation and activation, thus blocking the MAPK signaling pathway.

Similarity:
Belongs to the enoyl-CoA hydratase/isomerase family.

Database links:

Entrez Gene: 5608 Human

Entrez Gene: 26399 Mouse

Entrez Gene: 114495 Rat

Omim: 601254 Human

SwissProt: P52564 Human

SwissProt: P70236 Mouse

Unigene: 463978 Human

Unigene: 14487 Mouse

Unigene: 17256 Rat

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