



Rabbit Anti-Phospho-MEK6 (Ser207) antibody

SL3275R

Product Name:	Phospho-MEK6 (Ser207)
Chinese Name:	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.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=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:	37kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthesised phosphopeptide derived from human MEK6 around the phosphorylation site of Ser207:VD(p-S)VA
Lsotype:	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
Product Detail:	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.

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.

SWISS:

P52564

Gene ID:

5608

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

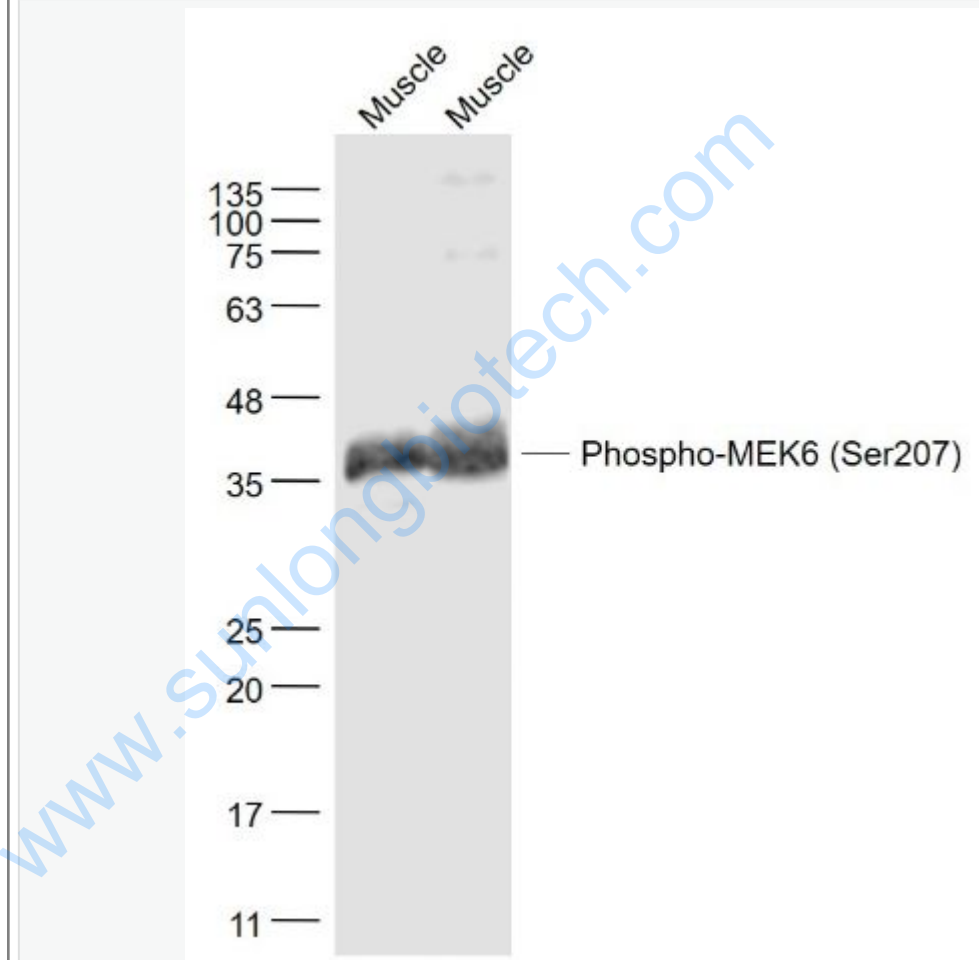
[Unigene: 14487](#)Mouse

[Unigene: 17256](#)Rat

Important Note:

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

Picture:



Sample:

Muscle (Mouse) Lysate at 40 ug

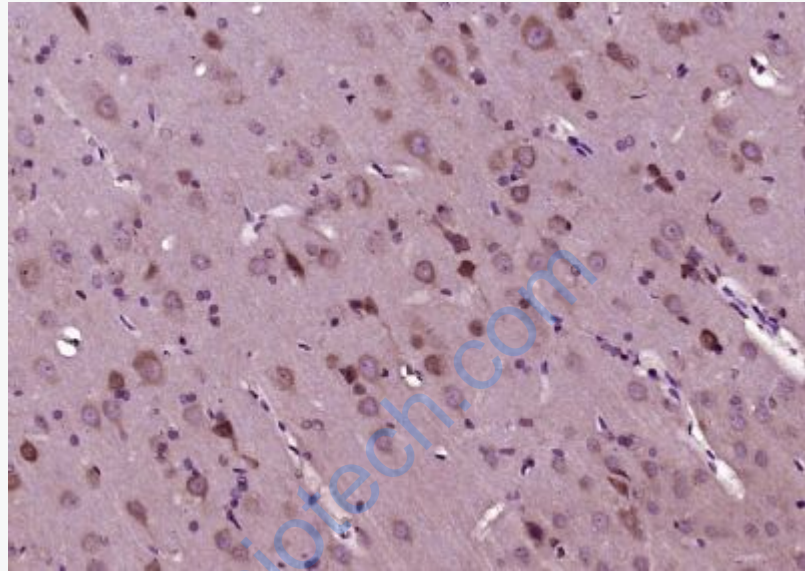
Muscle (Rat) Lysate at 40 ug

Primary: Anti- Phospho-MEK6 (Ser207) (SL3275R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 37 kD

Observed band size: 37 kD



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-MEK6 (Ser207)) Polyclonal Antibody, Unconjugated (SL3275R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.