



Rabbit Anti-phospho-MAP4K1 (Ser171) antibody

SL5494R

Product Name:	phospho-MAP4K1 (Ser171)
Chinese Name:	磷酸化造血祖细胞激酶抗体
Alias:	MAP4K1(phospho S171); Hematopoietic progenitor kinase 1; Hematopoietic progenitor kinase; HPK1; Human Hematopoietic Progenitor Kinase; M4K1_HUMAN; Map4k1; MAPK/ERK kinase kinase kinase 1; MEK kinase kinase 1; MEKKK 1; Mitogen Activated Protein Kinase Kinase Kinase Kinase 1; Mitogen-activated protein kinase kinase kinase 1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Horse,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1ug/testIF=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:	91kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated Synthesised phosphopeptide derived from human MAP4K1 around the phosphorylation site of Ser171:RL(p-S)FI
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:	May play a role in the response to environmental stress. Appears to act upstream of the

JUN N-terminal pathway. May play a role in hematopoietic lineage decisions and growth regulation.

Function:

May play a role in the response to environmental stress. Appears to act upstream of the JUN N-terminal pathway. May play a role in hematopoietic lineage decisions and growth regulation.

Subunit:

Interacts with MAP3K1.

Tissue Specificity:

Expressed primarily in hematopoietic organs, including bone marrow, spleen and thymus. Also expressed at very low levels in lung, kidney, mammary glands and small intestine.

Similarity:

Belongs to the protein kinase superfamily, STE Ser/Thr protein kinase family, STE20 subfamily.

Contains 1 CNH domain.

Contains 1 protein kinase domain.

SWISS:

Q92918

Gene ID:

11184

Database links:

[Entrez Gene: 11184](#)Human

[Entrez Gene: 26411](#)Mouse

[Entrez Gene: 100516374](#)Pig

[Entrez Gene: 292763](#)Rat

[Olim: 601983](#)Human

[SwissProt: Q92918](#)Human

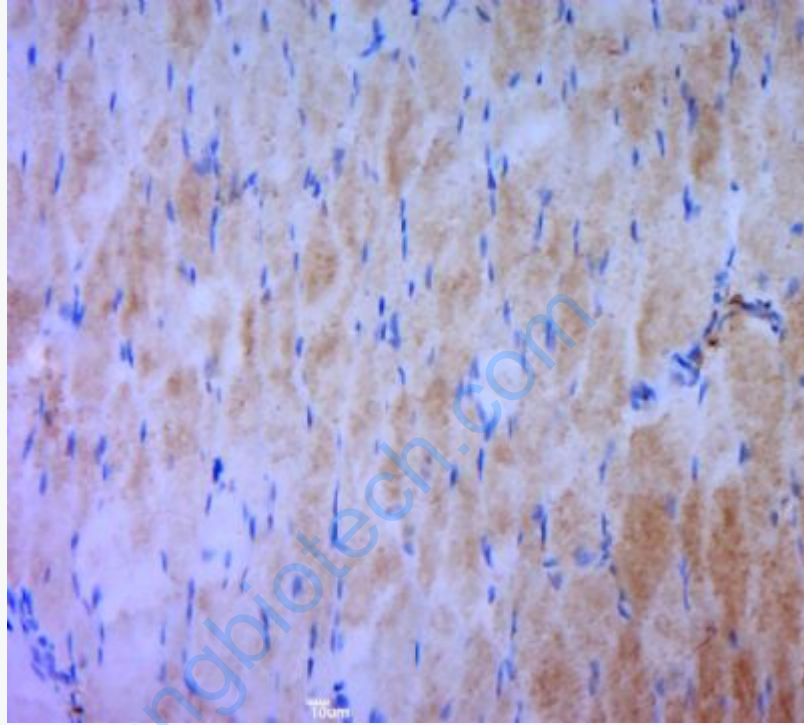
[SwissProt: P70218](#)Mouse

[Unigene: 95424](#)Human

[Unigene: 148278](#)Mouse

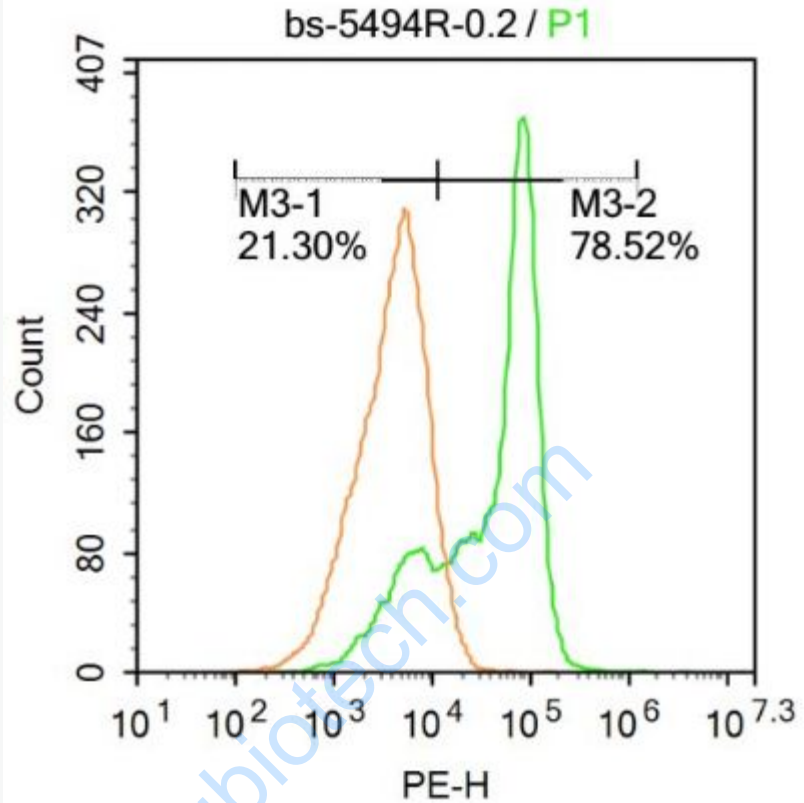
Important Note:

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



Picture:

Paraformaldehyde-fixed, paraffin embedded (rat skeletal muscle); 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 (p-MAP4K1(Ser171)) Polyclonal Antibody, Unconjugated (bs5494R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Molt-4 cells were fixed with 4% PFA for 10min at room temperature, permeabilized with 20% PBST for 20 min at room temperature, and incubated in 5% BSA blocking buffer for 30 min at room temperature. Cells were then stained with phospho-MAP4K1 Antibody(SL5494R) at 1:100 dilution in blocking buffer and incubated for 30 min at room temperature, washed twice with 2% BSA in PBS, followed by secondary antibody incubation for 40 min at room temperature. Acquisitions of 20,000 events were performed. Cells stained with primary antibody (green), and isotype control (orange).