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Rabbit Anti-phospho-SAPK3 (Thr183+Tyr185)antibody

SL12001R

Product Name	phospho-SAPK3 (Thr183+Tyr185)
Chinese Name	磷酸化丝裂原活化蛋白激酶磷酸酶 p38γ 抗体
Alias	p-SAPK3(phospho-Thr183+Tyr185); MAP kinase 12; MAP kinase p38 gamma; MAPK 12; Ma Activated Protein Kinase 12; ERK6; ERK 6; ERK-6; Extracellular signal-regulated kinase 6; Mi protein kinase 3; Mitogen activated protein kinase p38 gamma; Mitogen-activated protein kinase Mitogen-activated protein kinase p38 gamma; MK12_HUMAN; P38 GAMMA; P38GAMMA; SAPK 3; SAPK3; Stress Activated Protein Kinase 3; Stress-activated protein kinase 3.
Product Type	Phosphorylated anti
Research Area	Cell biology Signal transduction Apoptosis Kinases and Phosphatases Cell adhesion molecule C differentiation
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Rabbit,GuineaPig)
Applications	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	42kDa
Cellular localization	The nucleus cytoplasmic
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthesised phosphopeptide derived from human SAPK3 around the phosphory Thr183+Tyr185: EM(p-T)G(p-Y)VV
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Solution

Storage Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

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

PubMed PubMed

MAP (mitogen-activated protein) kinases play a significant role in many biological processes, in adhesion and spreading, cell differentiation and apoptosis. p38 alpha, p38 beta and p38 gamma, MAPK14, MAPK11 and MAPK12, respectively, each contain one protein kinase domain and bel kinase family. Expressed in different areas throughout the body with common expression pattern proteins use magnesium as a cofactor to catalyze the ATP-dependent phosphorylation of target pr catalytic activity, p38 alpha, p38 beta and p38 gamma are involved in a variety of events throug including signal transduction pathways, cytokine production and cell proliferation and differenti proteins are subject to phosphoryation on Thr and Tyr residues, an event which is thought to acti phosphorylated protein.

Function:
Responds to activation by environmental stress and pro-inflammatory cytokines by phosphorylati targets. Plays a role in myoblast differentiation and also in the down-regulation of cyclin D1 in r hypoxia in adrenal cells suggesting MAPK12 may inhibit cell proliferation while promoting diff

Subcellular Location:
Cytoplasm. Mitochondrion. Mitochondrial when associated with SH3BP5.

Product Detail

Tissue Specificity:
Highly expressed in skeletal muscle and heart.

Post-translational modifications:
Dually phosphorylated on Thr-183 and Tyr-185, which activates the enzyme.

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

SWISS:
P53778

Gene ID:
6300

Database links:

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Entrez Gene: 6300 Human

Entrez Gene: 29857 Mouse

Omim: 602399 Human

SwissProt: P53778 Human

SwissProt: O08911 Mouse

Unigene: 432642 Human

Unigene: 38343 Mouse