

Product Name: p38- γ/δ (Phospho-Tyr185/182) Rabbit Polyclonal Antibody
Catalog #: APRab05828



Summary

Production Name	p38- γ/δ (Phospho-Tyr185/182) Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Phospho Antibody
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	MAPK12 ERK6 SAPK3 Mitogen-activated protein kinase 12 (MAP kinase 12) (MAPK 12) (EC 2.7.11.24)
Alternative Names	(Extracellular signal-regulated kinase 6) (ERK-6) (Mitogen-activated protein kinase p38 gamma) (MAP kinase p38 gamma) (Stress-activated protein kinase 3)
Gene ID	6300.0
SwissProt ID	P53778.

Application

Dilution Ratio	WB 1:500-2000
Molecular Weight	40kD

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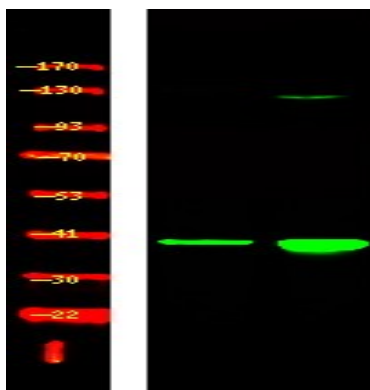


Background

catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Binds 2 magnesium ions.,domain:The TXY motif contains the threonine and tyrosine residues whose phosphorylation activates the MAP kinases.,enzyme regulation:Activated by phosphorylation on threonine and tyrosine.,function:Responds to activation by environmental stress and pro-inflammatory cytokines by phosphorylating downstream targets. Plays a role in myoblast differentiation and also in the down-regulation of cyclin D1 in response to hypoxia in adrenal cells suggesting MAPK12 may inhibit cell proliferation while promoting differentiation.,PTM: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.,similarity:Contains 1 protein kinase domain.,subcellular location:Mitochondrial when associated with SH3BP5.,subunit:Monomer. Interacts with the PDZ domain of the syntrophin SNTA1. Interacts with SH3BP5.,tissue specificity:Highly expressed in skeletal muscle and heart.,

Research Area

Image Data



Western Blot analysis of 1, HeLa cell, 2 LPS 100ng/mL 30min treated ,using primary antibody at 1:1000 dilution.
Secondary antibody was diluted at 1:10000

Note

For research use only.