

**Product Name: p38- $\gamma$ / $\delta$  (Phospho-Tyr185/182) Rabbit Polyclonal Antibody****Catalog #: APRab05828**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB
<b>Reactivity</b>	Human, Mouse, Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Phosphorylated
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000
<b>Molecular Weight</b>	40kDa

**Antigen Information**

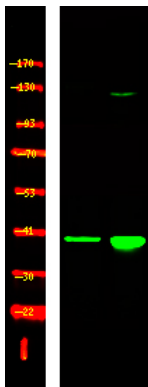
<b>Gene Name</b>	MAPK12 Mitogen-activated protein kinase 12 (MAP kinase 12) (MAPK 12) (EC 2.7.11.24) (Extracellular
<b>Alternative Names</b>	signal-regulated kinase 6) (ERK-6) (Mitogen-activated protein kinase p38 gamma) (MAP kinase p38 gamma) (Stress-activated protein kinase 3)
<b>Gene ID</b>	6300.0
<b>SwissProt ID</b>	P53778
<b>Immunogen</b>	Synthesized peptide derived from human p38- $\gamma$ / $\delta$ (Phospho-Tyr185/182)

**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