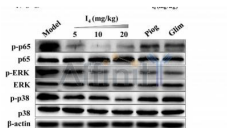

Phospho-p38 MAPK (Thr180/Tyr182) Ab

Cat.#: AF4001
Size: 50ul,100ul,200ul

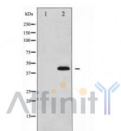
Concn.: 1mg/ml
Source: Rabbit

Mol.Wt.: 43 kDa
Clonality: Polyclonal

Application:	WB 1:500-1:2000 IHC 1:50-1:200 IF 1:200 IP
Reactivity:	Human,Mouse,Rat
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Specificity:	Phospho-p38 MAPK (Thr180/Tyr182) Ab detects endogenous levels of p38 MAPK only when phosphorylated at Thr180 and Tyr182 .
Immunogen:	A synthesized peptide derived from human p38 MAPK around the phosphorylation site of Thr180/Tyr182 .
Uniprot:	Q16539
Description:	The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This kinase is activated by various environmental stresses and proinflammatory cytokines.
Subcellular Location:	Cytoplasm. Nucleus.
Tissue Specificity:	Brain, heart, placenta, pancreas and skeletal muscle. Expressed to a lesser extent in lung, liver and kidney.
Similarity:	The TXY motif contains the threonine and tyrosine residues whose phosphorylation activates the MAP kinases.Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. MAP kinase subfamily.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.



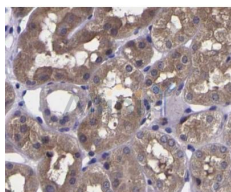
This image is a courtesy of anonymous review. <http://www.sciencedirect.com/science/article/pii/S0303720716304154>



Western blot analysis of p38 MAPK phosphorylation expression in Jurkat whole cell lysates.

The lane on the left is treated with the synthesized peptide.

Western blot analysis of p38 MAPK phosphorylation expression in Jurkat whole cell lysates.



AF4001 at 1/200 staining human kidney tissue sections by IHC-P.



AF4001 staining 293T treated with UV 30min by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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