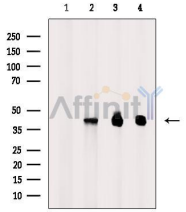
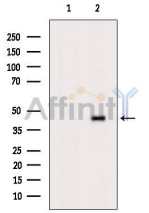
Phospho-p38 MAPK (Tyr182) Antibody

Cat.#: AF3455	Concn.: 1mg/ml	Mol.Wt.: 43kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

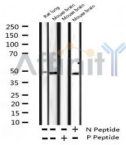
Application:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Reactivity:	Human,Mouse,Rat
Purification:	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Specificity:	Phospho-p38 MAPK (Tyr182) Antibody detects endogenous levels of p38 MAPK only when phosphorylated at Tyrosine 182.
Immunogen:	A synthesized peptide derived from human p38 MAPK around the phosphorylation site of 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.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.



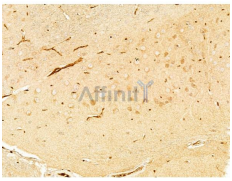
Western blot analysis of extracts from various samples, using Phospho-p38 MAPK (Tyr182) Antibody.
Lane 1: UV treated MCF7 cells, blocked with antigen-specific peptides,
Lane 2: UV treated MCF7 cells,
Lane 3: RAW264.7 cells LPS,
Lane 4: C6 cells LPS.



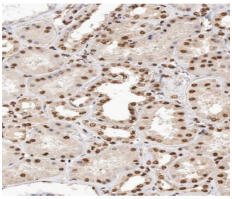
Western blot analysis of extracts from H2O2 treated EC304 cells, using Phospho-p38 MAPK (Tyr182) Antibody. The lane on the left was treated with blocking peptide.



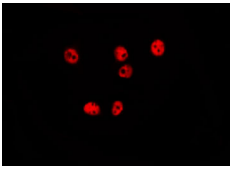
Western blot analysis of extracts from rat lung/mouse brain, using Phospho-p38 MAPK (Tyr182) Antibody.
-/+ means absence or presence of N peptide(non-phospho peptide) and P peptide(phospho peptide)



AF3455 at 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



AF3455 at 1/200 staining human kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



AF3455 staining Hela 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 antibody 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 antibody.

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.