

Product Datasheet

Phospho-P38 MAPK (Thr180 + Tyr182) Rabbit Polyclonal Antibody (orb11208)

Catalog Number	orb11208
Category	Antibodies
Description	Phospho-P38 MAPK (Thr180 + Tyr182) Rabbit Polyclonal Antibody
Target	MAPK14
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Human, Mouse, Rat
Predicted Reactivity	Canine, Rabbit
Form/Appearance	Liquid
Concentration	1mg/ml
Buffer/Preservatives	0.01M TBS (pH7.4) with 1% rAlbumin, 0.02% Proclin300 and 50% Glycerol.
Purification	Affinity purified by Protein A
Immunogen	KLH conjugated Synthesised phosphopeptide derived from human p38 MAPK around the phosphorylation site of Thr180/Tyr182 M(p-T)G(p-Y)VA
UniProt ID	Q16539

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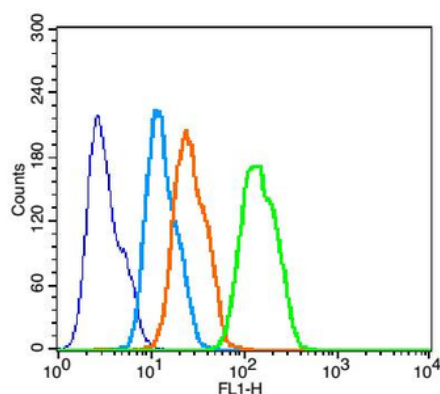
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RRID	AB_10752776
MW	42 kDa
Tested applications	IF, IHC-Fr, IHC-P
Dilution range	IHC-P=1:100-500, IHC-F=1:100-500, IF=1:100-500
Antibody Type	Primary Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Blank control: HepG2 (blue). Primary Antibody: Rabbit Anti-Phospho-P38 MAPK (Thr180 + Tyr182)antibody (orb11208, Green), Dilution: 1 µg in 100 µl 1X PBS containing 0.5% BSA, Isotype Control Antibody: Rabbit IgG (orange), used under the same conditions, Secondary Antibody: Goat anti-rabbit IgG-FITC (white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA. Protocol, The cells were fixed with 2% paraformaldehyde for 10 min at 37°C. Primary antibody (orb11208, 1 µg/1x10⁶ cells) were incubated for 30 min at room temperature, followed by 1 X PBS containing 0.5% BSA + 1 0% goat serum (15 min) to block non-specific protein-protein interactions. Then the Goat Anti-rabbit IgG/FITC antibody was added into the blocking buffer mentioned above to react with the primary antibody at 1/200 dilution for 40 min at room temperature. Acquisition of 20000 events was performed.

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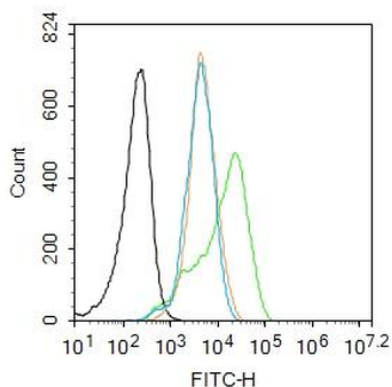
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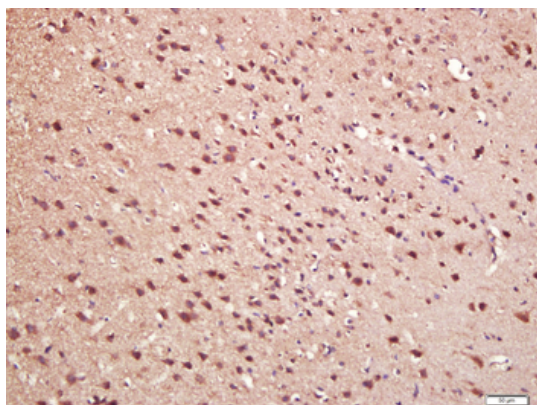
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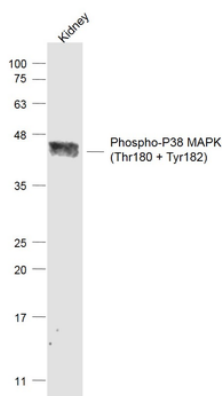
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Blank control: MCF7. Primary Antibody (green line): Rabbit Anti-Phospho-P38 MAPK (Thr180 + Tyr182) antibody (orb11208), Dilution: 2 µg/10⁶ cells, Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody: Goat anti-rabbit IgG-FITC, Dilution: 1 µg/Test. Protocol, The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 0.1% PBST for 20 min at room temperature. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20000 events was performed.



Paraformaldehyde-fixed, paraffin embedded (rat brain tissue), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (P-P38 MAPK) Polyclonal Antibody, Unconjugated (orb11208) at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.



Sample: Kidney (Mouse) Lysate at 40 µg, Primary: Anti-Phospho-P38 MAPK (Thr180 + Tyr182) (orb11208) at 1/1000 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 42 kD, Observed band size: 42 kD.

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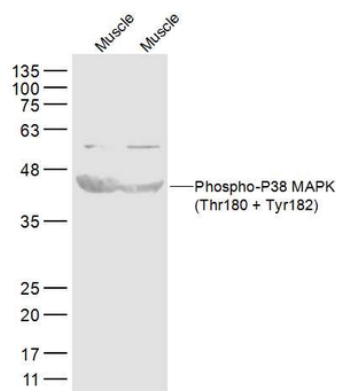
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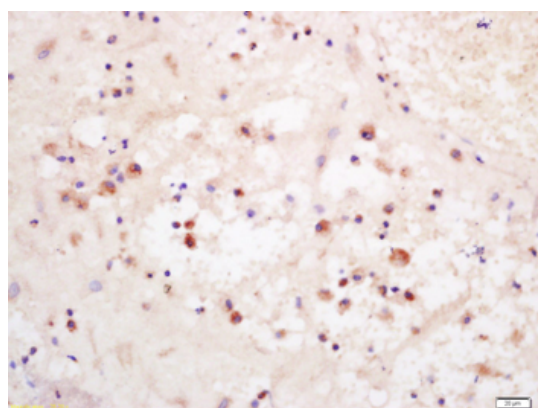
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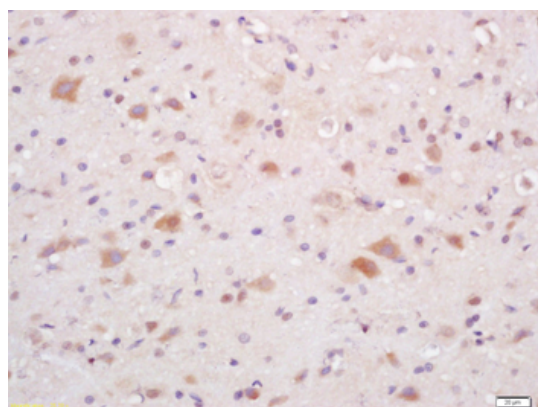
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Sample: Muscle (Mouse) Lysate at 40 ug, Muscle (Rat) Lysate at 40 ug, Primary: Anti-Phospho-P38 MAPK (Thr180 + Tyr182) (orb11208) at 1/300 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 42 kD, Observed band size: 42 kD.



Tissue/Cell: human placenta tissue, 4% Paraformaldehyde-fixed and paraffin-embedded, Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min, Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min, Blocking buffer (normal goat serum) at 37°C for 20 min, Incubation: Anti-P38 MAPK (Phospho-Thr180/Tyr182) Polyclonal Antibody, Unconjugated (orb11208) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.



Tissue/Cell: mouse brain tissue, 4% Paraformaldehyde-fixed and paraffin-embedded, Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min, Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min, Blocking buffer (normal goat serum) at 37°C for 20 min, Incubation: Anti-P38 MAPK (Phospho-Thr180/Tyr182) Polyclonal Antibody, Unconjugated (orb11208) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

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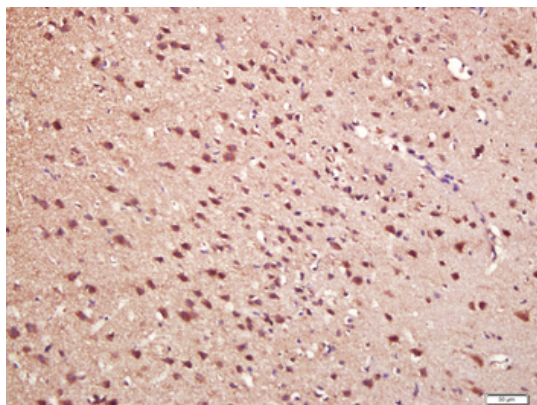
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Tissue/Cell: rat brain tissue, 4% Paraformaldehyde-fixed and paraffin-embedded, Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min, Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min, Blocking buffer (normal goat serum) at 37°C for 20 min, Incubation: Anti-P38 MAPK (Phospho-Thr180/Tyr182) Polyclonal Antibody, Unconjugated (orb11208) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

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