

Phospho-p38 MAPK (Thr180, Tyr182) Polyclonal Antibody

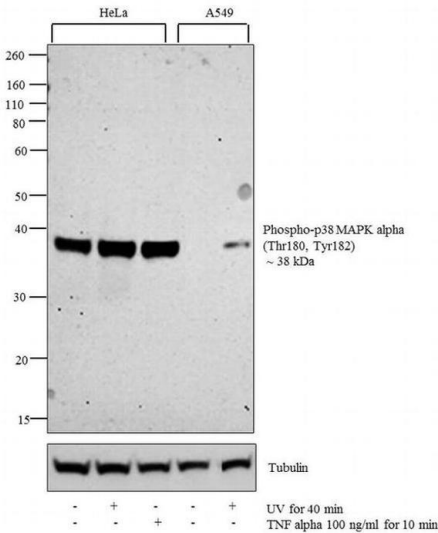
Product Details	
Size	100 µL
Species Reactivity	Human
Published Species	Rat, Mouse, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic phosphopeptide corresponding to a region surrounding the phosphorylated Thr180/Tyr182 residues of p38 MAP kinase.
Form	Liquid
Purification	Affinity chromatography
Storage buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/mL BSA, 50% glycerol
Contains	no preservative
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2533281

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	10 Publications
Immunohistochemistry (IHC)	1:250	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:250	-
Immunocytochemistry (ICC/IF)	1:100	-
Immunoprecipitation (IP)	-	1 Publication

Product Specific Information

This antibody is predicted to react with bovine, canine, chicken, mouse, non-human primates and zebrafish based on 100% sequence homology.

Product Images For Phospho-p38 MAPK (Thr180, Tyr182) Polyclonal Antibody

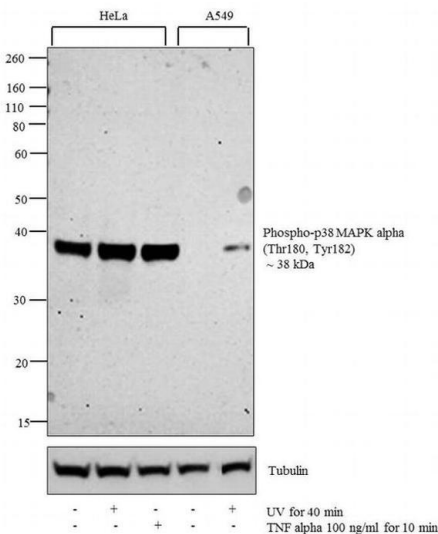


Phospho-p38 MAPK (Thr180, Tyr182) Antibody (36-8500) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of HeLa (Lane 1), HeLa treated with UV (40 min) (Lane 2), HeLa treated with TNF alpha (100 ng/mL for 10 min) (Lane 3), A549 (Lane 4) and A549 treated with UV (40 min) (Lane 5). The blot was probed with Anti-Phospho-p38 MAPK alpha (Thr180, Tyr182) Polyclonal Antibody (Product # 36-8500, 1:1000 dilution) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.25 µg/mL, 1:4000 dilution). A 38 kDa band corresponding to p38 MAPK alpha (Thr180, Tyr182) was observed across the cell lines tested and was enhanced upon treatment.

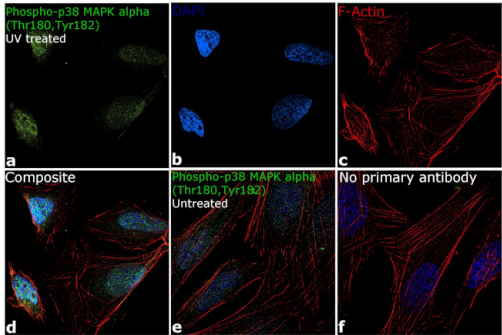
Phospho-p38 MAPK (Thr180, Tyr182) Antibody (36-8500)

Altered expression of target protein upon cell treatment demonstrates antibody specificity. Western blot analysis of Phospho-p38 MAPK alpha (Thr180, Tyr182) using Phospho-p38 MAPK alpha (Thr180, Tyr182) Polyclonal Antibody (Product # 36-8500) shows increased expression of proteins phosphorylated at the threonine and tyrosine residue in HeLa and A549 cell lines upon UV and TNF alpha treatments. {TM}



Phospho-p38 MAPK (Thr180, Tyr182) Antibody (36-8500) in ICC/IF

Immunofluorescence analysis of Phospho-p38 MAPK alpha (Thr180, Tyr182) was performed using 70% confluent log phase HeLa cells treated with UV for 40 minutes. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with Phospho-p38 MAPK alpha (Thr180, Tyr182) Polyclonal Antibody (Product # 36-8500) at 1:100 dilution in 0.1% BSA and incubated overnight at 4 degree Celsius and then labeled with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:100). Panel d represents the merged image showing cytoplasmic and nuclear localization. Panel e shows untreated cells with no signal. Panel g represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



View more figures on thermofisher.com

Western Blot (10)

Antioxidants (Basel, Switzerland)

SkQ1 Suppresses the p38 MAPK Signaling Pathway Involved in Alzheimer's Disease-Like Pathology in OXYS Rats.

"Published figure using Phospho-p38 MAPK (Thr180, Tyr182) polyclonal antibody (Product # 36-8500) in Western Blot"

Authors: Muraleva NA, Stefanova NA, Kolosova NG

Year
2020

Species
Rat

Toxicological sciences : an official journal of the Society of Toxicology

Methoxychlor and Vinclozolin Induce Rapid Changes in Intercellular and Intracellular Signaling in Liver Progenitor Cells.

"Published figure using Phospho-p38 MAPK alpha (Thr180, Tyr182) polyclonal antibody (Product # 36-8500) in Western Blot"

Authors: Babica P, Zurabian R, Kumar ER, Chopra R, Mianeki MJ, Park JS, Jaša L, Trosko JE, Upham BL

Year
2016

Species
Rat

[View more WB references on thermofisher.com](#)

Immunohistochemistry (1)

The Journal of neuroscience : the official journal of the Society for Neuroscience

Opposing effects of membrane-anchored CX3CL1 on amyloid and tau pathologies via the p38 MAPK pathway.

"Published figure using Phospho-p38 MAPK alpha (Thr180, Tyr182) polyclonal antibody (Product # 36-8500) in Immunofluorescence"

Authors: Lee S, Xu G, Jay TR, Bhatta S, Kim KW, Jung S, Landreth GE, Ransohoff RM, Lamb BT

Year
2014

Species
Mouse

Dilution
1:1000

Immunoprecipitation (1)

Proceedings of the National Academy of Sciences of the United States of America

T-cell receptor ligation induces distinct signaling pathways in naive vs. antigen-experienced T cells.

Authors: Adachi K, Davis MM

Year
2011

Species
Human

More applications with references on thermofisher.com

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