

p38 MAPK Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Published Species	Rat, Human, Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant human p38-alpha MAPK.
Form	Liquid
Concentration	0.5 mg/mL
Purification	purified
Storage buffer	PBS, pH 7.2, with 1% BSA
Contains	0.1% sodium azide
Storage conditions	-20°C
RRID	AB_2536327

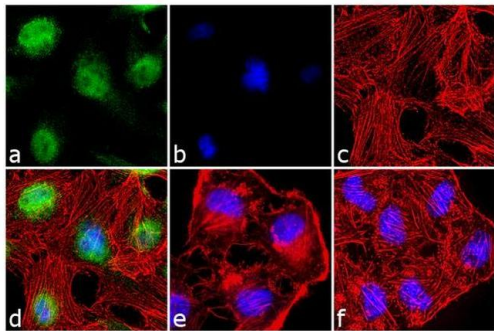
Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	7 Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:10-1:100	-
Immunocytochemistry (ICC/IF)	1:250	1 Publication

Product Specific Information

AHO1202 has been successfully used in immunofluorescence, and western blot with recombinant proteins and whole cell lysates of human and mouse origins.

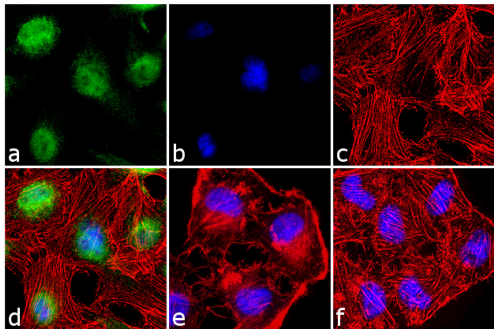
AHO1202 specifically recognizes both alpha and beta isoforms of p38, with slight reactivity to p38-gamma.

Product Images For p38 MAPK Polyclonal Antibody



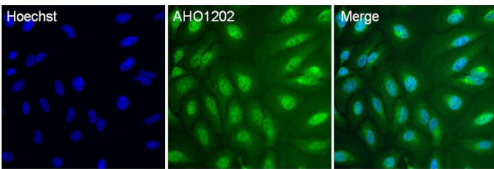
p38 MAPK Antibody (AHO1202)

Modulation of expression of target protein by cell treatment to demonstrate antibody specificity. Immunofluorescence analysis of p38 using anti-p38 MAPK alpha Polyclonal Antibody (Product # AHO1202) shows increased expression of p38 in HeLa cells treated with UV. {TM}



p38 MAPK Antibody (AHO1202) in ICC/IF

Immunofluorescence analysis of p38 MAPK was done on 70% confluent log phase HeLa cells treated with UV-302nm for 60 minutes and 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 of p38 MAPK Rabbit Polyclonal Antibody (Product # AHO1202) at 1:250 dilution in 0.1% BSA and incubated for 3 hours at room temperature 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, 1:300). Panel d is a merged image showing nuclear and cytoplasmic localization. Panel e is untreated cells with no signal. Panel f is a no primary antibody control. The images were captured at 60X magnification.



p38 MAPK Antibody (AHO1202) in ICC/IF

Immunofluorescent analysis of p38-alpha (green) in HeLa cells. The cells were fixed with 4% paraformaldehyde for 15 minutes, permeabilized with 0.1% Triton X-100 in PBS for 10 minutes, and blocked with 3% BSA in PBS (Product # 37525) for 30 minutes at room temperature. Cells were stained with a p38 polyclonal antibody (Product # AHO1202) at a dilution of 10 µg/mL in staining buffer for 1 hour at room temperature, and then incubated with a Goat anti-Rabbit IgG (Heavy Chain) Superclonal Secondary Antibody, Alexa Fluor 488 conjugate (Product # A27034) at a dilution of 1:1000 for 1 hour at room temperature (green). Nuclei (blue) were stained with Hoechst 33342 dye (Product # 62249). Images were taken on a Thermo Scientific ToxInsight Instrument at 20X magnification.

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Western Blot (7)

Biological trace element research	Year 2023
Antitumor Activity of Chitosan-Coated Iron Oxide Nanocomposite Against Hepatocellular Carcinoma in Animal Models.	Species Rat
"AHO1202 was used in Western Blotting to evaluate the anticancer efficacy of Fe3O4/Cs against HCC in animal models."	
Authors: Badawy MMM,Abdel-Hamid GR,Mohamed HE	

Archives of pharmacal research	Year 2022
Empagliflozin mitigates type 2 diabetes-associated peripheral neuropathy: a glucose-independent effect through AMPK signaling.	Species Rat
"AHO1202 was used in Western Blotting to explore the potentiality of the selective sodium-glucose cotransporter-2 inhibitor, empagliflozin (EMPA), to ameliorate streptozotocin-induced DPN in rats with insight into its precise signaling mechanism."	
Authors: Abdelkader NF,Elbaset MA,Moustafa PE,Ibrahim SM	

View more WB references on thermofisher.com

Immunohistochemistry (1)

Gynecologic oncology	Year 2006
The mitogen-activated protein kinases (MAPK) p38 and JNK are markers of tumor progression in breast carcinoma.	Species Human
Authors: Davidson B,Konstantinovskiy S,Kleinberg L,Nguyen MT,Bassarova A,Kvalheim G,Nesland JM,Reich R	

Immunocytochemistry (1)

Cells	Year 2022
In Vitro Cell Death Mechanisms Induced by <i>Dicoma anomala</i> Root Extract in Combination with ZnPcS₄ Mediated-Photodynamic Therapy in A549 Lung Cancer Cells.	Species Human
"AHO1202 was used in Immunocytochemistry-immunofluorescence to confirm that cytotoxic and antiproliferative effects of D.A root extracts in monotherapy and in combination with ZnPcS4-mediated PDT."	
Authors: Chota A,George BP,Abrahamse H	

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