

Phospho-p38 MAPK alpha (Thr180, Tyr182) Monoclonal Antibody (F.52.8)

Product Details	
Size	200 µL
Species Reactivity	Fruit fly, Human, Mouse, Non-human primate, Rat
Published Species	Zebrafish, Human
Host/Isotype	Rabbit / IgG
Class	Monoclonal
Type	Antibody
Clone	F.52.8
Conjugate	Unconjugated
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding pThr180/Tyr182 of human p38 MAPK
Form	Liquid
Concentration	71 µg/mL
Purification	Affinity chromatography
Storage buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/mL BSA, 50% glycerol
Contains	<0.02% sodium azide
Storage conditions	-20°C
RRID	AB_10984205

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	3 Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:100	1 Publication
Immunocytochemistry (ICC/IF)	1:100	1 Publication
ELISA (ELISA)	-	1 Publication
Immunoprecipitation (IP)	-	1 Publication

Product Specific Information

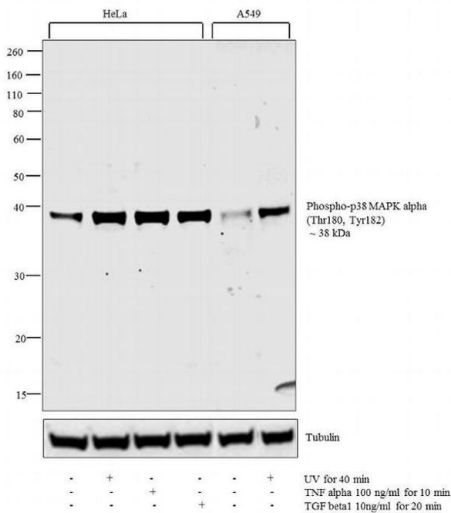
It is not recommended to aliquot this antibody.

This antibody is not cross-reactive with the phosphorylated forms of either p42/44 MAPK or SAPK/JNK.

Product Images For Phospho-p38 MAPK alpha (Thr180, Tyr182) Monoclonal Antibody (F.52.8)

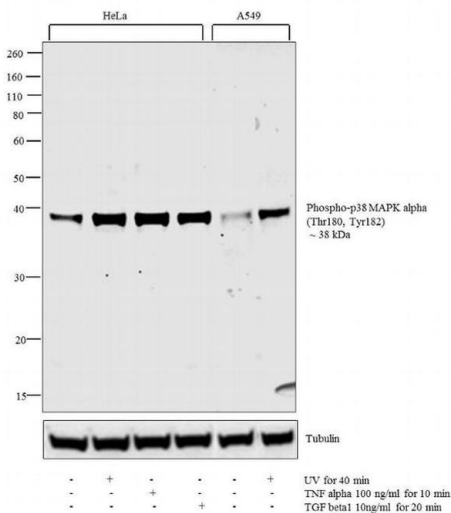
Phospho-p38 MAPK alpha (Thr180, Tyr182) Antibody (MA5-15177)

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) Monoclonal Antibody (Product # MA5-15177) shows increased expression of proteins phosphorylated at the threonine and tyrosine residue in HeLa and A549 cell lines upon UV, TNF alpha and TGF beta1 treatments. {TM}



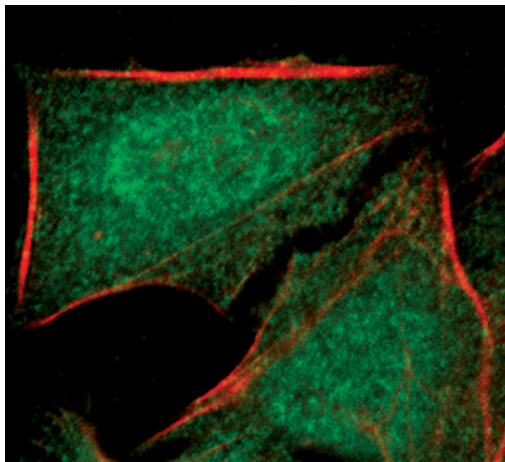
Phospho-p38 MAPK alpha (Thr180, Tyr182) Antibody (MA5-15177) in WB

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), HeLa treated with TGF beta1 (10 ng/mL for 20 min) (Lane 4), A549 (Lane 5) and A549 treated with UV (40 min) (Lane 6). The blot was probed with Anti-Phospho-p38 MAPK alpha (Thr180, Tyr182) Monoclonal Antibody (F.52.8) (Product # MA5-15177, 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 alpha (Thr180, Tyr182) Antibody (MA5-15177) in ICC/IF

Immunofluorescent analysis of Phospho-p38 MAPK pThr180/Tyr182 in HeLa cells +/- UV light, using a Phospho-p38 MAPK pThr180/Tyr182 monoclonal antibody (Product # MA5-15177) showing absence of staining in untreated cells. Actin filaments are labeled with a fluorescent red phalloidin.



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Western Blot (3)

<p>Cell death & disease</p> <p>Pharmacological targeting of the novel -catenin chromatin-associated kinase p38 in colorectal cancer stem cell tumorspheres and organoids.</p> <p>"MA5-15177 was used in Western Blot, Immunohistochemistry to suggest that p38 may be targeted in CSCs to devise new personalized CRC treatment strategies."</p> <p>Authors: Lepore Signorile M,Grossi V,Di Franco S,Forte G,Disciglio V,Fasano C,Sanese P,De Marco K,Susca FC,Mangiapane LR,Nicotra A,Di Carlo G,Dituri F,Giannelli G,Ingravallo G,Canettieri G,Stassi G,Simone C</p>	<p>Year 2021</p> <p>Species Human</p> <p>Dilution 1:100</p>
<p>International journal of molecular sciences</p> <p>The Histone Deacetylase Inhibitor (MS-275) Promotes Differentiation of Human Dental Pulp Stem Cells into Odontoblast-Like Cells Independent of the MAPK Signaling System.</p> <p>"Published figure using Phospho-p38 MAPK alpha (Thr180, Tyr182) monoclonal antibody (Product # MA5-15177) in Western Blot"</p> <p>Authors: Lee EC,Kim YM,Lim HM,Ki GE,Seo YK</p>	<p>Year 2020</p> <p>Species Human</p>

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Immunohistochemistry (1)

<p>Cell death & disease</p> <p>Pharmacological targeting of the novel -catenin chromatin-associated kinase p38 in colorectal cancer stem cell tumorspheres and organoids.</p> <p>"MA5-15177 was used in Western Blot, Immunohistochemistry to suggest that p38 may be targeted in CSCs to devise new personalized CRC treatment strategies."</p> <p>Authors: Lepore Signorile M,Grossi V,Di Franco S,Forte G,Disciglio V,Fasano C,Sanese P,De Marco K,Susca FC,Mangiapane LR,Nicotra A,Di Carlo G,Dituri F,Giannelli G,Ingravallo G,Canettieri G,Stassi G,Simone C</p>	<p>Year 2021</p> <p>Species Human</p> <p>Dilution 1:100</p>
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Immunohistochemistry (Paraffin) (1)

<p>Journal of immunology (Baltimore, Md. : 1950)</p> <p>Duox1-derived H2O2 modulates Cxcl8 expression and neutrophil recruitment via JNK/c-JUN/AP-1 signaling and chromatin modifications.</p> <p>"MA5-15177 was used in immunohistochemistry - paraffin section to study the relationship between two neutrophil chemoattractants, DUOX1-derived hydrogen peroxide and CXCL8"</p> <p>Authors: de Oliveira S,Boudinot P,Calado A,Mulero V</p>	<p>Year 2015</p> <p>Species Zebrafish</p> <p>Dilution 1:200</p>
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More applications with references on thermofisher.com

- ICC/IF (1)
- ELISA (1)
- IP (1)

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