Product Datasheet

p38 alpha [p Thr180, p Tyr182] Antibody - Azide Free NB500-138

Unit Size: 0.1 ml

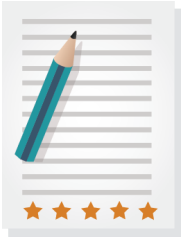
Store at -20C. Avoid freeze-thaw cycles.

www.novusbio.com technical@novusbio.com

Publications: 18

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB500-138

Updated 9/9/2025 v.20.1



NB500-138

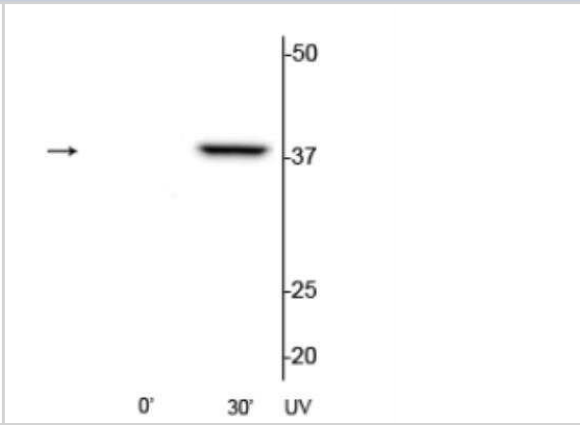
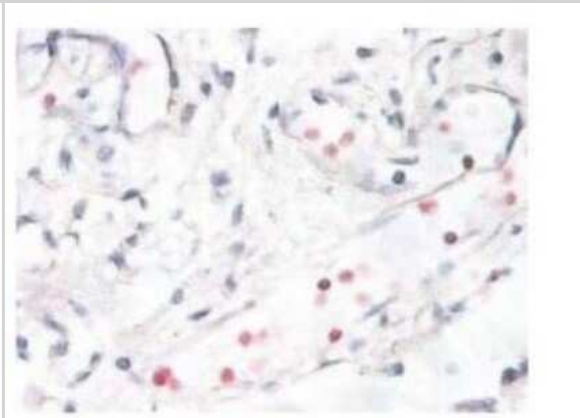
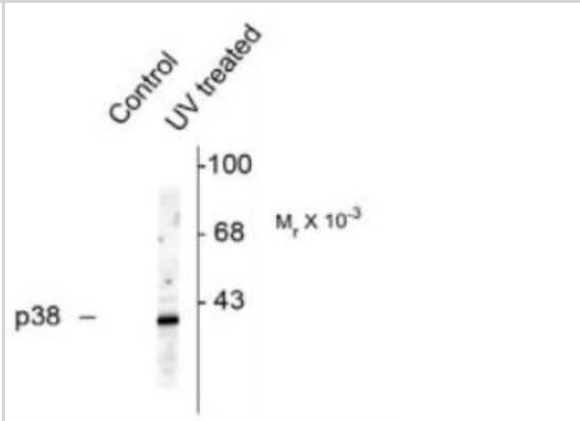
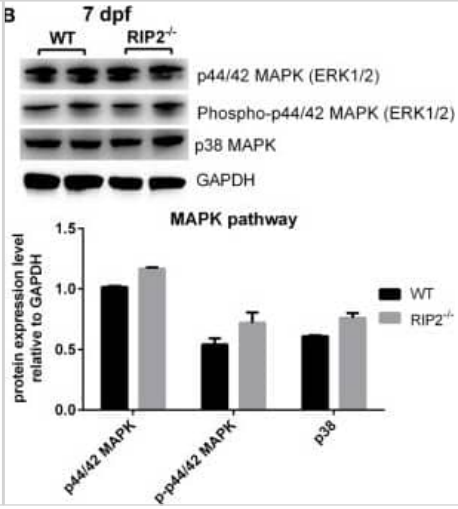
p38 alpha [p Thr180, p Tyr182] Antibody - Azide Free

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	10mM HEPES (pH 7.5), 0.15M NaCl, 0.1 mg/ml BSA and 50% Glycerol
Target Molecular Weight	39 kDa

Product Description	
Description	Novus Biologicals Rabbit p38 alpha [p Thr180, p Tyr182] Antibody - Azide Free (NB500-138) is a polyclonal antibody validated for use in IHC, WB and Flow. Anti-p38 alpha Antibody: Cited in 14 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	1432
Gene Symbol	MAPK14
Species	Human, Mouse, Zebrafish
Reactivity Notes	Zebrafish reactivity reported in scientific literature (PMID: 29692779). Mouse reactivity reported in scientific literature (PMID: 24105651).
Specificity/Sensitivity	Specific for endogenous levels of the ~39 kDa p38 alpha protein phosphorylated at Thr180/Tyr182. Immunolabeling is blocked by preadsorption with the phosphopeptide used as antigen, but not by the corresponding non-phosphopeptide.
Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Thr180/Tyr182 conjugated to KLH. Accession # P70618

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow (Intracellular), Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:250, Immunohistochemistry-Paraffin 1:250, Flow (Intracellular)
Application Notes	Use in Flow-intracellular reported in scientific literature (PMID: 24105651).

Images

Western Blot: p38 [p Thr180, p Tyr182] Antibody [NB500-138] - Hela cell lysates that had been treated with UV or untreated (Control) showing specific immunolabeling of the -39 kDa p38 MAPK protein phosphorylated at Thr180/Tyr182.	
Immunohistochemistry-Paraffin: p38 [p Thr180, p Tyr182] Antibody [NB500-138] - Immunostaining of human breast cancer tissue showing p38 when phosphorylated at Thr180/Tyr182 in red.	
Western Blot: p38 [p Thr180, p Tyr182] Antibody [NB500-138] - Western blot of HeLa cell lysates that had been treated with UV or untreated (Control) showing specific immunolabeling of the ~39k p38 MAPK protein phosphorylated at Thr180/Tyr182.	
Western Blot: p38 alpha [p Thr180, p Tyr182] Antibody [NB500-138] - RIP2 is not essential for MAPK pathways in the early ontogenesis. (A) Immunoblot analysis of phospho-p44/42 MAPK, p44/42 MAPK, & p38 MAPK in larvae homogenate from WT & NOD1-1IS−/− zebrafish at 7 days post-fertilization (dpf). (B) Immunoblot analysis of phospho-p44/42 MAPK, p44/42 MAPK, & p38 MAPK in larvae homogenate from WT & RIP2−/− zebrafish at 7 dpf. (C) Immunoblot analysis of Atg5, p62, & LC3b in larvae homogenate from WT & NOD1-1IS−/− zebrafish at 7 dpf. (D) Immunoblot analysis of Atg5, p62, & LC3b in larvae homogenate from WT & RIP2−/− zebrafish at 7 dpf. Western blotting results were quantified using Quantity One software. Data represent the average of two independent experiments. *p < 0.05, **p < 0.01. Image collected & cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/29692779), licensed under a CC-BY license. Not internally tested by Novus Biologicals.	

Publications

Chen C, Men Z, Pu X et al. Eimeria tenella aspartyl protease is identified as a potential TLR15 ligand and activates macrophages and dendritic cells in chickens. Poultry science 2025-07-03 [PMID: 40639002]

Ren J Phosvitin Extraction from Egg Yolk and Its Potential as a Functional Food Ingredient for Improving Bone Health J Sci Food Agric 2015-01-08 [PMID: 25565664]

Mukherjee U, Samanta A, Biswas S Et al. Chronic exposure to nonylphenol induces oxidative stress and liver damage in male zebrafish (Danio rerio): Mechanistic insight into cellular energy sensors, lipid accumulation and immune modulation Chemico-biological interactions 2021-11-26 [PMID: 34843692]

Zhao S, Xu J, Zhang W et al. Paternal exposure to microcystin-LR triggers developmental neurotoxicity in zebrafish offspring via an epigenetic mechanism involving MAPK pathway The Science of the total environment 2021-06-16 [PMID: 34153754]

Ren J, Chakrabarti S, Wu J Inhibition of osteoclastogenesis and inflammation by phosvitin and phosvitin hydrolysate via NF-kappa B and MAPK pathways in RAW 264.7 cells Journal of Food Bioactives 2021-03-31

Sirin S, Aslim B Protective effect of exopolysaccharides from lactic acid bacteria against amyloid beta1-42induced oxidative stress in SH-SY5Y cells: Involvement of the AKT, MAPK, and NF- kappa B signaling pathway Process Biochemistry Jul 1 2021 12:00AM

Zhao S, Yuan C, Tuo X et al. MCLR induces dysregulation of calcium homeostasis and endoplasmic reticulum stress resulting in apoptosis in Sertoli cells Chemosphere 2020-08-15 [PMID: 32828052]

Mukherjee U, Samanta A, Biswas S et al. Bisphenol A-induced oxidative stress, hepatotoxicity and altered estrogen receptor expression in Labeo bata: impact on metabolic homeostasis and inflammatory response Ecotoxicology and Environmental Safety 2020-10-01 [PMID: 32800225] (WB, Mouse)

Zhang Y, Beketaev I, Segura AM et al. Contribution of Increased Expression of Yin Yang 2 to Development of Cardiomyopathy Front Mol Biosci 2020-03-03 [PMID: 32195266] (WB, Mouse)

Singh A, Jones OD, Mockett BG et al. Tumor Necrosis Factor-alpha-Mediated Metaplastic Inhibition of LTP is Constitutively Engaged in an Alzheimer\'s Disease Model J. Neurosci. 2019-09-30 [PMID: 31570539] (WB, Mouse, Rat)

Ren J Phosvitin Extraction from Egg Yolk and Its Potential as a Functional Food Ingredient for Improving Bone Health Thesis (WB)

Pal S, Nath P, Biswas S et al. Nonylphenol attenuates SOCS3 expression and M1 polarization in lipopolysaccharide-treated rat splenic macrophages Ecotoxicol. Environ. Saf. 2019-06-15 [PMID: 30870658] (WB, Rat)

More publications at http://www.novusbio.com/NB500-138

Novus Biologicals USA
10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada
21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd
19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information
www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NB500-138

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NB500-138

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications