

Product Datasheet

p38 alpha Antibody - BSA Free NB110-96907

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NB110-96907

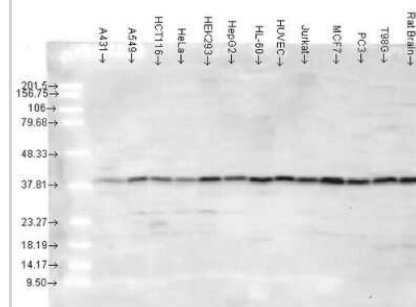
p38 alpha Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS (pH 7.4), 50% Glycerol
Target Molecular Weight	43 kDa
Product Description	
Description	Novus Biologicals Rabbit p38 alpha Antibody - BSA Free (NB110-96907) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-p38 alpha Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	1432
Gene Symbol	MAPK14
Species	Human, Mouse, Rat, Porcine, Bovine, Canine, Chicken, Guinea Pig, Hamster, Monkey, Rabbit, Sheep
Specificity/Sensitivity	Detects approx 43kDa.
Immunogen	A 20 residue synthetic peptide based on the human p38 with the cysteine residue added and coupled to KLH
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/Immunofluorescence 1:100, Immunoprecipitation 1:250, Immunohistochemistry-Paraffin 1:10-1:500
Application Notes	A 1:1000 dilution of p38 Antibody was sufficient for detection of p38 in 20 ug of HeLa cell lysate by ECL immunoblot analysis.



Images

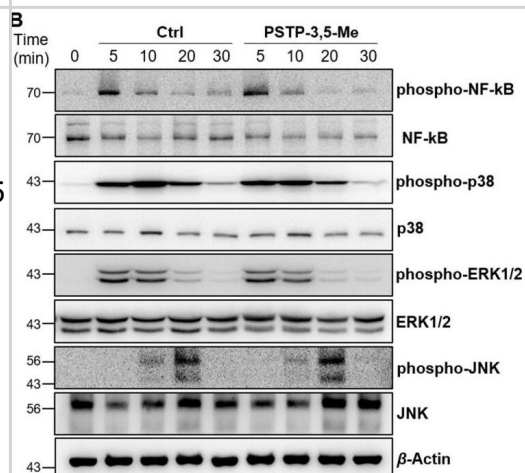
Western Blot: p38 alpha Antibody [NB110-96907] - Western blot analysis of Human cancer cell lines showing detection of p38 alpha protein using Rabbit Anti-p38 alpha Polyclonal Antibody (NB110-96907). Load: 15 ug/protein. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Rabbit Anti-p38 alpha Polyclonal Antibody (NB110-96907) at 1:4000 for 2 hours at RT. Secondary Antibody: Donkey Anti-Rabbit IgG: HRP for 1 hour at RT.



Immunocytochemistry/Immunofluorescence: p38 alpha Antibody [NB110-96907] - Analysis using Rabbit Anti-p38 Polyclonal Antibody. Tissue: HeLa Cells. Species: Human. Fixation: 2% Formaldehyde for 20 min at RT. Primary Antibody: Rabbit Anti-p38 Polyclonal Antibody at 1:100 for 12 hours at 4 degrees C. Secondary Antibody: FITC Goat Anti-Rabbit (green) at 1:200 for 2 hours at RT. Counterstain: DAPI (blue) nuclear stain at 1:40000 for 2 hours at RT. Localization: Mitochondrion. Cytoplasm. Nucleus. Magnification: 100x. (A) DAPI (blue) nuclear stain. (B) Anti-p38 Antibody. (C) Composite.



Western Blot: p38 alpha Antibody [NB110-96907] - CtsK & NFATc1 expression levels were decreased during osteoclastogenesis by PSTP-3,5-Me treatment. (A) mRNA expression levels of osteoclast-specific markers were determined by RT-PCR in 0 or 6 μ M PSTP-3,5-Me-treated cells. * $p < 0.05$, & ** $p < 0.01$ indicate the statistically significant difference between non-PSTP-3,5-Me-treated groups (0 μ M) & PSTP-3,5-Me-treated groups (6 μ M) on each day. Mean \pm standard error. (B) Western blotting was performed to determine phosphorylation of NF-kB, p-38, ERK1/2, & JNK. Cells were pre-treated with 6 μ M PSTP-3,5-Me or vehicle (Ctrl) for 2 h, & then treated with RANKL for the indicated times. β -Actin expression level was used as a loading control. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/31540026>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Su J, Zheng L, Luo J et al. Arsenic Trioxide (ATO)-Induced Pyroptosis and Activation of Natural Killer Cells in Acute Myeloid Leukemia Research Square 2022-04-14 (WB, Human)

Cho E, Chen Z et al. PSTP-3,5-Me Inhibits Osteoclast Differentiation and Bone Resorption. Molecules 2019-09-14 [PMID: 31540026] (WB, Mouse)

Cho E, Chen Z, Ding M et al. PMSA prevents osteoclastogenesis and estrogen-dependent bone loss in mice Bone [PMID: 33141068] (Mouse)



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Products Related to NB110-96907

NBL1-12873	p38 alpha Overexpression Lysate
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.

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