

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

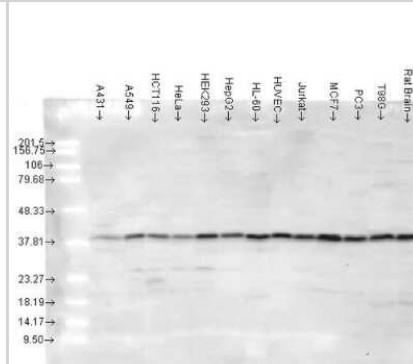
p38 alpha Antibody - BSA Free

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	
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, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, 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.

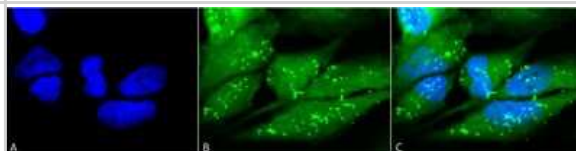


Images

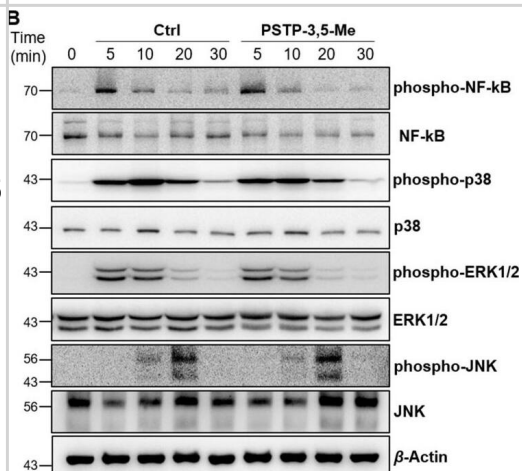
Western Blot: p38 alpha Antibody [NB110-96907] - Western blot analysis of Human cancer cell lines showing detection of p38 alpha protein using Rabbit Anti-p38 alpha Polyclonal Antibody (NB110-96907). Load: 15 ug/protein. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Rabbit Anti-p38 alpha Polyclonal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