

Product Datasheet

p38 alpha [p Thr180] Antibody (JE77-37) NBP3-32781

Unit Size: 100 ul

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

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NBP3-32781

p38 alpha [p Thr180] Antibody (JE77-37)

Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	JE77-37
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	1*TBS (pH7.4), 0.05% BSA and 40% Glycerol
Target Molecular Weight	41 kDa

Product Description	
Description	Novus Biologicals Rabbit p38 alpha [p Thr180] Antibody (JE77-37) (NBP3-32781) is a recombinant monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	1432
Gene Symbol	MAPK14
Species	Human, Mouse, Rat
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding Thr180 of human p38 alpha. (Uniprot: Q16539)

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:200-1:1000



Images

Western Blot: p38 alpha [p Thr180] Antibody (JE77-37) [NBP3-32781] - Western blot analysis of p38 alpha on different lysates with Rabbit anti-p38 alpha antibody (NBP3-32781) at 1/1,000 dilution.

Lane 1: HeLa cell lysate
 Lane 2: HeLa treated with UV for 1 hour cell lysate
 Lane 3: HeLa treated with UV for 1 hour cell lysate, then the membrane treated with pp for 1 hour
 Lane 4: PC-12 cell lysate
 Lane 5: PC-12 treated with UV for 1 hour cell lysate

Lysates/proteins at 20 ug/Lane.

Predicted band size: 41 kDa
 Observed band size: 38 kDa

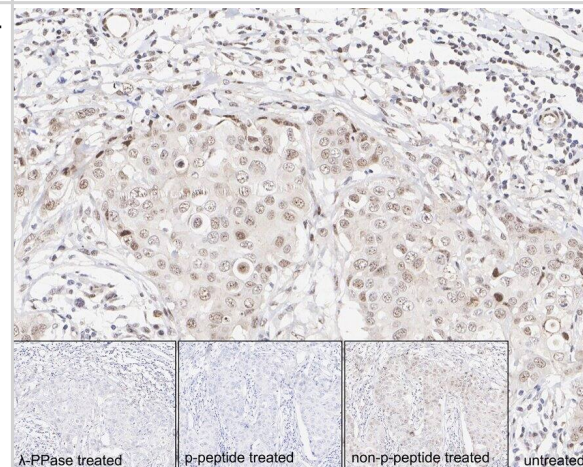
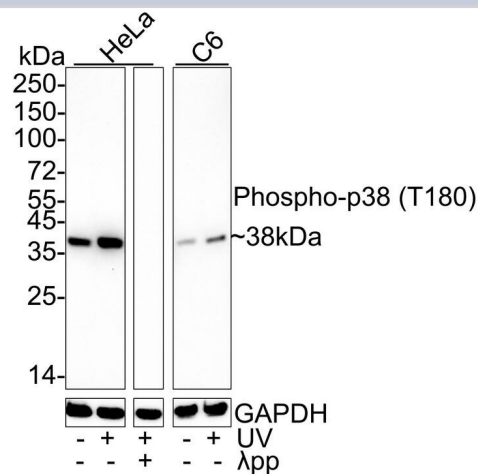
Exposure time: 2 minutes; ECL;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (NBP3-32781) at 1/1,000 dilution was used in 5% NFDM/TBST at 4C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.

Immunohistochemistry: p38 alpha [p Thr180] Antibody (JE77-37) [NBP3-32781] - Immunohistochemical analysis of paraffin-embedded human breast cancer tissue untreated / treated with λ pp / phospho-peptide / non-phospho-peptide with Rabbit anti-p38 alpha antibody (NBP3-32781) at 1/200 dilution.

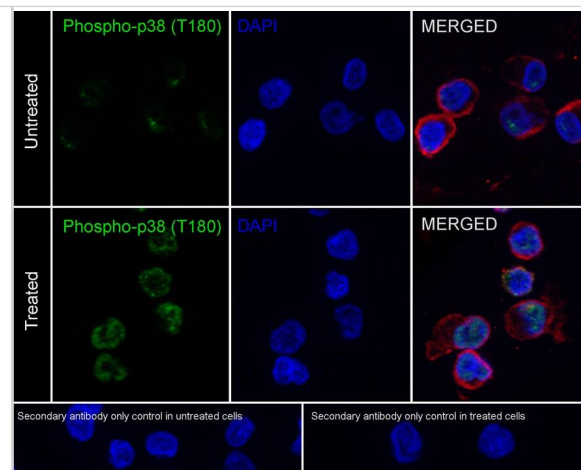
The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 2 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (NBP3-32781) at 1/200 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunocytochemistry/ Immunofluorescence: p38 alpha [p Thr180] Antibody (JE77-37) [NBP3-32781] - Immunocytochemistry analysis of Jurkat cells treated with or without UV for 1 hour labeling p38 alpha with Rabbit anti-p38 alpha antibody (NBP3-32781) at 1/100 dilution.

Cells were fixed in 4% paraformaldehyde for 20 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Rabbit anti-p38 alpha antibody (NBP3-32781) at 1/100 dilution in 1% BSA in PBST overnight at 4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.

Beta tubulin (red) was stained at 1/100 dilution overnight at +4 °C. Goat Anti-Mouse IgG H&L (iFluor™ 594) was used as the secondary antibody at 1/1,000 dilution.





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Products Related to NBP3-32781

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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