

Product Datasheet

Patched 1/PTCH Antibody - BSA Free NB200-118

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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NB200-118

Patched 1/PTCH 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	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS
Target Molecular Weight	161 kDa
Product Description	
Host	Rabbit
Gene ID	5727
Gene Symbol	PTCH1
Species	Human, Mouse, Rat
Reactivity Notes	Reacts with human, mouse, and rat.
Specificity/Sensitivity	Patched 1
Immunogen	A synthetic peptide made to residues 269-279 of the human and mouse PTCH protein.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:1000, ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500
Application Notes	This antibody may be used for Western blot analysis where a band is seen at ~161 kDa. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.



Images

B

Western blot analysis showing the expression of Gli1, IHH, PTCH, SMO, and Actin in C2C12 cells treated with Medium, rGF1, CM MF1, and CM MF1IGF1. The blots show bands for each protein across the four treatment conditions. Actin is used as a loading control and shows consistent expression across all lanes.

	Medium	rGF1	CM MF1	CM MF1IGF1
Gli1	+	+	+	+
IHH	-	+	+	+
PTCH	+	+	+	+
SMO	-	-	-	+
Actin	+	+	+	+

Publications

Ferreira Mendes, J M, de Faro Valverde, L Et al. Effects of IGF-1 on Proliferation, Angiogenesis, Tumor Stem Cell Populations and Activation of AKT and Hedgehog Pathways in Oral Squamous Cell Carcinoma. *Int J Mol Sci* 2020-09-05 [PMID: 32899449] (IF/IHC, Rat)

Gonzalez A C, Santos E T et al. Participation of the Immune System and Hedgehog Signaling in Neoangiogenesis Under Laser Photobiomodulation. *J Lasers Med Sci* 2019-12-26 [PMID: 31875124] (IF/IHC, Rat)

Bacelar Sacramento de AraUjo T, de Oliveira Siquara da Rocha L, Torres Andion Vidal M et al. GANT61 Reduces Hedgehog Molecule (GLI1) Expression and Promotes Apoptosis in Metastatic Oral Squamous Cell Carcinoma Cells *International journal of molecular sciences* 2020-08-24 [PMID: 32846867] (WB, ICC/IF, Human)

Wang W, Song B, Anbarchian T et al. Smad2 and Smad3 Regulate Chondrocyte Proliferation and Differentiation in the Growth Plate. *PLoS Genet.* 2016-10-01 [PMID: 27741240] (IF/IHC, Mouse)

Martinez JA, Kobayashi M, Krishnan A et al. Intrinsic facilitation of adult peripheral nerve regeneration by the Sonic hedgehog morphogen *Exp. Neurol.* 2015-07-22 [PMID: 26210874] (IHC-Fr, Rat)

Kaminagakura E, Almeida JD, Carvalho YR et al. Keratocyst of the buccal mucosa: case report and immunohistochemical comparative study with sporadic intraosseous keratocystic odontogenic tumor. *Oral Surg Oral Med Oral Pathol Oral Radiol* 2013-05-10 [PMID: 23669203] (IHC-P, Human)





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 NB200-118

NBL1-14924	Patched 1/PTCH 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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