

# Product Datasheet

## Patched 1/PTCH Antibody NB100-41101

Unit Size: 0.1 mg

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

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**NB100-41101**

Patched 1/PTCH Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Description	Novus Biologicals Goat Patched 1/PTCH Antibody (NB100-41101) is a polyclonal antibody validated for use in WB, ELISA and ICC/IF. Anti-Patched 1/PTCH Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	5727
Gene Symbol	PTCH1
Species	Human, Mouse
Specificity/Sensitivity	This antibody is expected to recognise all four reported isoforms (NP_000255.2; NP_001077072.1; NP_001077071.1; NP_001077075.1). Reported variants represent identical protein (NP_001077075.1; NP_001077076.1; NP_001077073.1; NP_001077074.1).
Immunogen	Peptide with sequence C-HPESRHHPPSNPRQQ corresponding to internal region according to NP_000255.2, NP_001077072.1, NP_001077071.1, NP_001077075.1.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Peptide ELISA
Recommended Dilutions	Western Blot 1 - 3 ug/ml, Immunocytochemistry/ Immunofluorescence, Peptide ELISA Detection limit 1:32000
Application Notes	WB: Approx 150 kDa band observed in human brain lysates (calculated MW of 153.9 kDa according to NP_001077071.1).

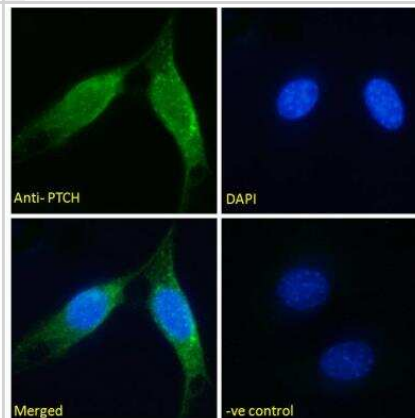


## Images

Western Blot: Patched 1/PTCH Antibody [NB100-41101] - Staining of human brain lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

250kDa  
150kDa  
100kDa  
75kDa  
50kDa  
37kDa  
25kDa  
20kDa  
15kDa  
10kDa

Immunocytochemistry/Immunofluorescence: Patched 1/PTCH Antibody [NB100-41101] - Analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (5ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing Golgi/membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (5ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



## Publications

Nagao K, Togawa N, Fujii K et al. Detecting tissue-specific alternative splicing and disease-associated aberrant splicing of the PTCH gene with exon junction microarrays. Hum Mol Genet 2005-10-03 [PMID: 16203740]



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### **Products Related to NB100-41101**

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NBL1-14924	Patched 1/PTCH Overexpression Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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### **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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