# antibodies - online.com







# anti-Patched 1 antibody (AA 1214-1312)



## **Images**

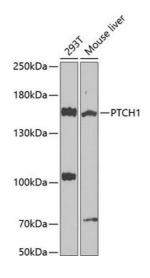


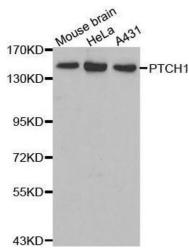
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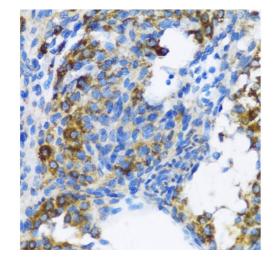
Overview	
Quantity:	100 μL
Target:	Patched 1 (PTCH1)
Binding Specificity:	AA 1214-1312
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Patched 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Product Details	
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1214-1312 of human PTCH1 (NP_000255.2).
Sequence:	THSGSDSSDS EYSSQTTVSG LSEELRHYEA QQGAGGPAHQ VIVEATENPV FAHSTVVHPE SRHHPPSNPR QQPHLDSGSL PPGRQGQQPR RDPPREGLW
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Target Details	
Target:	Patched 1 (PTCH1)

### **Target Details**

PTCH1 (PTCH1 Products)		
This gene encodes a member of the patched gene family. The encoded protein is the receptor		
for sonic hedgehog, a secreted molecule implicated in the formation of embryonic structures		
and in tumorigenesis, as well as the desert hedgehog and indian hedgehog proteins. This gene		
functions as a tumor suppressor. Mutations of this gene have been associated with basal cell		
nevus syndrome, esophageal squamous cell carcinoma, trichoepitheliomas, transitional cell		
carcinomas of the bladder, as well as holoprosencephaly. Alternative splicing results in multiple		
transcript variants encoding different isoforms. Additional splice variants have been described,		
but their full length sequences and biological validity cannot be determined		
currently.,PTCH1,BCNS,HPE7,NBCCS,PTC,PTC1,PTCH,PTCH11,patched 1,Cancer,Tumor		
suppressors, Signal Transduction, G protein signaling, Cell Biology & Developmental Biology, Cell		
Cycle,Cell cycle inhibitors,Hedgehog Signaling Pathway,Neuroscience,Stem Cells,PTCH1		
144 kDa/153 kDa/160 kDa/161 kDa		
5727		
Q13635		
Hedgehog Signaling, Carbohydrate Homeostasis, Tube Formation		
WB,1:500 - 1:1000,IHC,1:50 - 1:100,IF,1:50 - 1:100		
For Research Use only		
PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.		
Sodium azide		
This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which		
should be handled by trained staff only.		
-20 °C		







#### **Western Blotting**

**Image 1.** Western blot analysis of extracts of various cell lines, using PTCH1 antibody (ABIN1682368, ABIN1682367, ABIN3015342, ABIN3015343 and ABIN6213997) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 μg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.

#### **Western Blotting**

#### Image 2.

#### **Immunohistochemistry**

**Image 3.** Immunohistochemistry of paraffin-embedded Rat ovary using PTCH1 antibody (ABIN1682368, ABIN1682367, ABIN3015342, ABIN3015343 and ABIN6213997) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Please check the product details page for more images. Overall 8 images are available for ABIN3015343.