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anti-Patched 2 antibody (N-Term)



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Quantity:	100 μL
Target:	Patched 2 (PTCH2)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Horse, Rabbit, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Patched 2 antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human PTCH2	
Sequence:	LAQEALPENA SQQIHAFSST TLDDILHAFS EVSAARVVGG YLLMLAYACV	
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 79%, Horse: 100%, Human: 100%, Mouse: 93%, Rabbit: 86%, Rat: 93%	
Characteristics:	This is a rabbit polyclonal antibody against PTCH2. It was validated on Western Blot using a cell lysate as a positive control.	
Purification:	Affinity Purified	

Target Details

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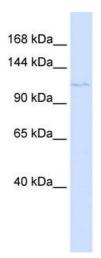
Target Details

Alternative Name:	PTCH2 (PTCH2 Products)	
Background:	PTCH2 is a member of the patched protein family. The patched protein is the receptor for sonic	
	hedgehog, a secreted molecule implicated in the formation of embryonic structures and in	
	tumorigenesis. The gene encoding PTCH2 is shown to be mutated in a medulloblastoma and in	
	a basal cell carcinoma, suggesting that it plays a role in the development of some tumors. This	
	gene encodes a member of the patched gene family. The patched protein is the receptor for	
	sonic hedgehog, a secreted molecule implicated in the formation of embryonic structures and	
	in tumorigenesis. This gene is shown to be mutated in a medulloblastoma and in a basal cell	
	carcinoma, suggesting that it plays a role in the development of some tumors. Alternative	
	transcript variants have been described, but their biological function has not been determined.	
	PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-10 AF119569.1 1-10	
	11-534 AY359016.1 3-526 535-2066 AF087651.1 523-2054 2067-2509 AF119569.1 2067-2509	
	2510-2520 AF087651.1 2498-2508 2521-2700 AF119569.1 2521-2700 2701-3620 AY358555.1	
	2689-3608 3621-3624 AF087651.1 3609-3612	
	Alias Symbols: PTC2	
	Protein Interaction Partner: ARRB1, DHH, SMO, IHH, SHH,	
	Protein Size: 1203	
Molecular Weight:	130 kDa	
Gene ID:	8643	
NCBI Accession:	NM_003738, NP_003729	
UniProt:	Q9Y6C5	
Pathways:	Hedgehog Signaling	
Application Details		
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 1203 AA	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	Lot specific	

Handling

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-PTCH2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human Placenta