



Anti-PTCH1 (aa 841-940) polyclonal antibody (DPAB-DC2573)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	PTCH (NP_000255, 841 a.a. ~ 940 a.a) partial recombinant protein with GST tag. The sequence is PKMWLHYFRDWLQGLQDAFDSDWETGKIMPNNYKNGSDDGVLAYKLLVQTGSRDKPIDIS QLTKQRLVDADGIINPSAFYIYLTAWVSNDPVAYAASQAN
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PTCH1 patched 1 [Homo sapiens (human)]
Official Symbol	PTCH1
Synonyms	PTCH1; patched 1; PTC; BCNS; HPE7; PTC1; PTCH; NBCCS; PTCH11; protein patched homolog 1; PTCH protein +4; PTCH protein -10; PTCH protein +12b; PTCH protein -3,4,5;
Entrez Gene ID	5727
Protein Refseq	NP_000255
UniProt ID	Q13635
Chromosome Location	9q22.3
Pathway	Basal cell carcinoma; Endochondral Ossification; Glypican 3 network; Hedgehog signaling events mediated by Gli proteins.
Function	cholesterol binding; cyclin binding; hedgehog family protein binding; hedgehog receptor activity