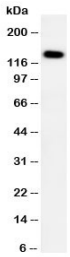
PTCH2 Antibody (Patched 2) (R30958)

Catalog No.	Formulation	Size
R30958	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q9Y6C5
Applications	Western Blot : 0.5-1ug/ml
Limitations	This PTCH2 antibody is available for research use only.



Western blot testing of PTCH2 antibody and human HeLa cell lysate. Expected molecular weight ~130 kDa.

Description

PTCH2 (Patched 2), also known as PTC2, encodes a 1.203-amino acid putative transmembrane protein that is highly homologous to the PTCH product. The Patched-hedgehog signaling pathway is involved in establishing segment polarity and the anterior-posterior orientation of a number of developing appendages. The pathway is conserved from fly to vertebrates and has been implicated in a number of human neoplasms and developmental syndromes. Mutations in the human Patched gene are the basis of the nevoid basal cell carcinoma syndrome. With age, homozygous mutant male mice developed skin lesions consisting of alopecia and epidermal hyperplasia, suggesting a role for PTCH2 in adult epidermal homeostasis via Shh signaling.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the PTCH2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human Patched 2 (WLHDKYDTTGENLRIPP) was used as the immunogen for this PTCH2 antibody.

Storage

After reconstitution, the PTCH2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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