

Anti-PTCH2 Antibody Picoband® Biotin Conjugated

Catalog Number: PA1859-Biotin

About PTCH2

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.

Overview

Product Name	Anti-PTCH2 Antibody Picoband® Biotin Conjugated
Reactive Species	Human, Mouse
Application	WB, IHC, ELISA
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q9Y6C5

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human PTCH2, different from the related mouse sequence by one amino acid.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Biotin
Suggested Dilutions	Western blot, Optimal dilutions should be determined by end users.

Immunohistochemistry (Paraffin-embedded Section), Optimal dilutions should be determined by end users.
ELISA, Optimal dilutions should be determined by end users.

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