
anti-Patched

Cat #: HM1275
Rabbit polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

Patched is the receptor for sonic hedgehog and functions as a repressor opposing hedgehog's effects. Hedgehog is a secreted molecule implicated in the formation of embryonic structures and in tumorigenesis. Hedgehog enhances the expression of the Wnt family of proteins through a signaling cascade involving the GLI transcription factors. Overexpression of either Wnt-1 or the GLI proteins has been shown to result in cancer. Patched has been shown to be a tumor suppressor. Mutations of this gene, which result in unregulated hedgehog signaling, are associated with nevoid basal cell carcinoma syndrome, esophageal squamous cell carcinoma, trichoepitheliomas, transitional cell carcinomas of the bladder, as well as holoprosencephaly.

SPECIFICITY

This antibody reacts with the patched protein of mouse, rat and human origin by Western blotting and immunoprecipitation.

Molecular Weight of Patched: 170 kDa. Western blotting positive control: HeLa cells.

IMMUNOGEN

A recombinant protein corresponding to the carboxy terminus of human patched.

STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

REFERENCES

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