abcam

Product datasheet

Anti-PTCH2 antibody ab151775

1 References 1 Image

Overview

Product name	Anti-PTCH2 antibody
Description	Rabbit polyclonal to PTCH2
Host species	Rabbit
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Human **Predicted to work with:** Mouse
Immunogen	A synthetic peptide corresponding to C terminal residues of Human PTCH2 (UniProt: Q9Y6C5).
Positive control	HeLa cell lysate.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservatives: 0.025% Thimerosal (merthiolate), 0.025% Sodium azide Constituents: 0.1% Dibasic monohydrogen sodium phosphate, 0.45% Sodium chloride, 2.5% BSA
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab151775 in the following tested applications.

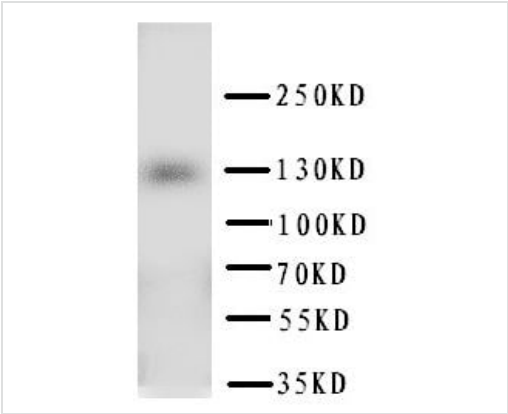
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.1 - 0.5 µg/ml. Predicted molecular weight: 131 kDa.

Target

Function	May have a role in epidermal development. May act as a receptor for Sonic hedgehog (SHH).
Involvement in disease	Defects in PTCH2 are a cause of medulloblastoma (MDB) [MIM:155255]. MDB is a malignant, invasive embryonal tumor of the cerebellum with a preferential manifestation in children. Although the majority of medulloblastomas occur sporadically, some manifest within familial cancer syndromes such as Turcot syndrome and basal cell nevus syndrome (Gorlin syndrome). Defects in PTCH2 are a cause of sporadic basal cell carcinoma (BCC) [MIM:605462].
Sequence similarities	Belongs to the patched family. Contains 1 SSD (sterol-sensing) domain.
Cellular localization	Membrane.

Images



Western blot - Anti-PTCH2 antibody (ab151775)

Anti-PTCH2 antibody (ab151775) at 0.5 µg/ml + HeLa cell lysate

Predicted band size: 131 kDa

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