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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB07025 - Goat Anti-PTCH (C Terminus) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: PTCH, patched homolog (Drosophila), HGNC:9585, BCNS, HPE7, NBCCS, PTC, PTC1, patched, patched (Drosophila) homolog, PTCH1, patched homolog 1 (Drosophila), RP11-435O5.3, FLJ26746, FLJ42602, PTCH11, OTTHUMP00000021709, OTTHUMP00000021710, PTCH protein +12b, PTCH protein +4', PTCH protein -10

Official Symbol: PTCH1

Accession Number(s): NP_000255.1; NP_001077072.1; NP_001077071.1; NP_001077073.1; NP_001077074.1; NP_001077075.1; NP_001077076.1

Human GeneID(s): [5727](#)

Important Comments: This antibody is expected to recognise all reported isoforms. Variants (NP_001077073.1; NP_001077074.1; NP_001077075.1; NP_001077076.1) encode the same isoform.

Immunogen

Peptide with sequence ELQDVECEERPR, from the C Terminus of the protein sequence according to NP_000255.1; NP_001077072.1; NP_001077071.1; NP_001077073.1; NP_001077074.1; NP_001077075.1; NP_001077076.1.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:8000.

IHC: In paraffin embedded Human Colon shows textured nuclear staining of the absorptive cells. Recommended concentration: 3-6µg/ml. Paraffin embedded Human Breast. Recommended concentration: 3.75µg/ml.

Immunofluorescence: Expression of the protein seen in the cytoplasm of HeLa and in the Golgi/membrane of NIH3T3 cells. Recommended concentration: 5µg/ml.

Species Reactivity

Tested: Human, Mouse

Expected from sequence similarity: Human, Mouse, Rat

Specific Reference

This antibody has been successfully used in IHC and IF in Human:

Abiria SA, Williams TV, Munden AL, Grover VK, Wallace A, Lundberg CJ, Valadez JG, Cooper MK.

Expression of Hedgehog ligand and signal transduction components in mutually distinct isocitrate dehydrogenase mutant glioma cells supports a role for paracrine signaling.

J Neurooncol. 2014 May 28.

PMID: 24867209

EB07025 (3.8µg/ml) staining of paraffin embedded Human Colon. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

EB07025 (3.75µg/ml) staining of paraffin embedded Human Breast. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

EB07025 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (5ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue).

EB07025 Immunofluorescence analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (5ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing Golgi/membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (5ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).