

International Office

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Research Use Only. Not for diagnostic or therapeutic use.

EB10888 - Goat Anti-PTCH1 (aa266-280) Antibody

Size: 100µg specific antibody in 200µl

Plus lite

Target Protein

Principal Names: PTCH1, patched 1, BCNS, FLJ26746, FLJ42602, HPE7, NBCCS, PTC, PTC1, PTCH11, OTTHUMP00000021709, OTTHUMP00000021710, PTCH protein +12b, PTCH protein +4', PTCH protein -10, patched homolog 1, protein patched homolog 1

Official Symbol: PTCH1 Accession Number(s): NP_000255.2; NP_001077072.1; NP_001077071.1;

NP_001077073.1

Human GeneID(s): 5727

Non-Human GenelD(s): 19206 (mouse), 89830 (rat) Important Comments: This antibody is expected to recognize all reported isoforms (NP_000255.2; NP_001077072.1; NP_001077071.1; NP_001077073.1). Reported variants represent identical protein: NP_001077075.1, NP_001077074.1, NP_001077073.1, NP_001077076.1

Immunogen

Peptide with sequence C-EELKKINYQVDSWEE, from the internal region of the protein sequence according to NP_000255.2; NP_001077072.1; NP_001077071.1; NP_001077073.1.

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 1:32000.

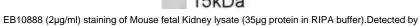
Western blot: Approx 140kDa band observed in Mouse fetal Kidney lysates (calculated MW of 159kDa according to NP_032983.1). This molecular weight is routinely observed by other sources. Recommended concentration: 1-3µg/ml. Primary incubation was 1 hour. **IHC:** Paraffin embedded Human Brain (Cortex). Recommended concentration: 8µg/ml.

Immunofluorescence: Strong expression of the protein seen in the cytoplasm of HeLa cells. Recommended concentration: 5µg/ml.

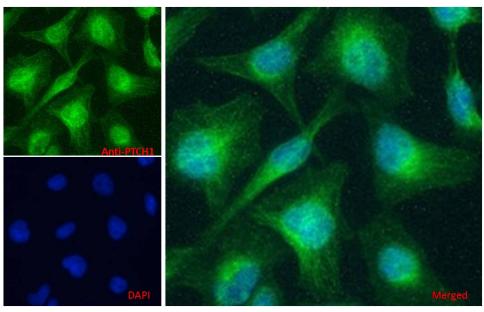
Species Reactivity

Tested: Human, Mouse Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow

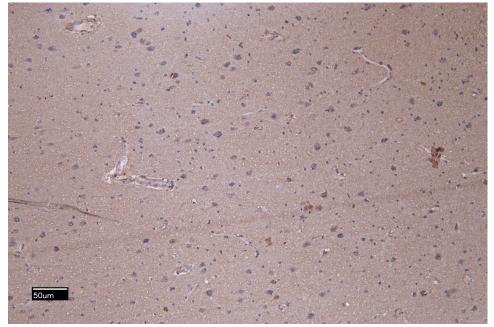




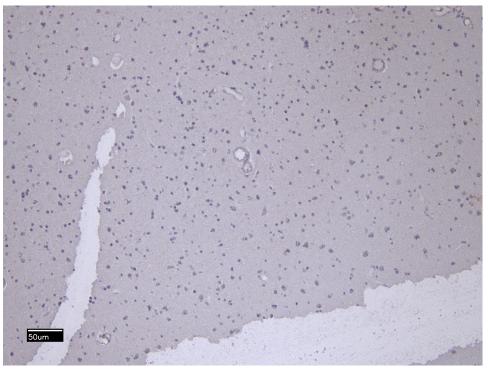
chemiluminescence.



EB10888 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 and Golgi apparatus staining. The nuclear stain is DAPI (blue).



EB10888 (8µg/ml) staining of paraffin embedded Human Cortex. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB10888 Negative Control showing staining of paraffin embedded Human Cortex, with no primary antibody.