

PTCH1 RABBIT PAB

Cat.#: S216755

Product Name: Anti-PTCH1 Rabbit Polyclonal Antibody

Synonyms: PTC; BCNS; PTC1; PTCH; NBCCS

UNIPROT ID: Q13635 (Gene Accession - BC043542)

Background: This gene encodes a member of the patched family of proteins and a component of the hedgehog signaling pathway. Hedgehog signaling is important in embryonic development and tumorigenesis. The encoded protein is the receptor for the secreted hedgehog ligands, which include sonic hedgehog, indian hedgehog and desert hedgehog. Following binding by one of the hedgehog ligands, the encoded protein is trafficked away from the primary cilium, relieving inhibition of the G-protein-coupled receptor smoothed, which results in activation of downstream signaling. Mutations of this gene have been associated with basal cell nevus syndrome and holoprosencephaly.

Immunogen: Fusion protein of human PTCH1

Applications: ELISA, WB, IHC

Recommended Dilutions: IHC: 50-200;WB: 500-2000;ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

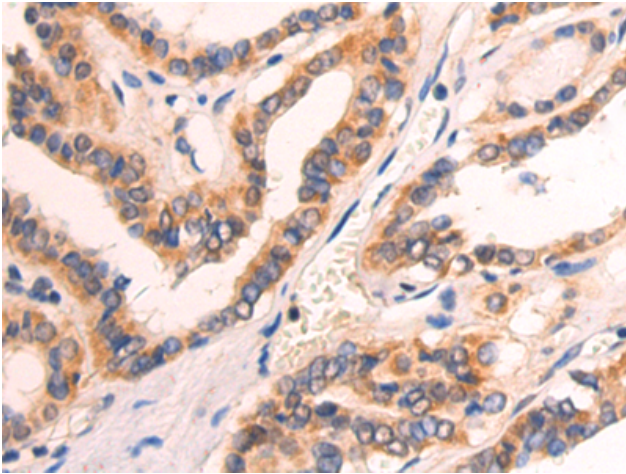
Purification: Antigen affinity purification

Species Reactivity: Human, Mouse

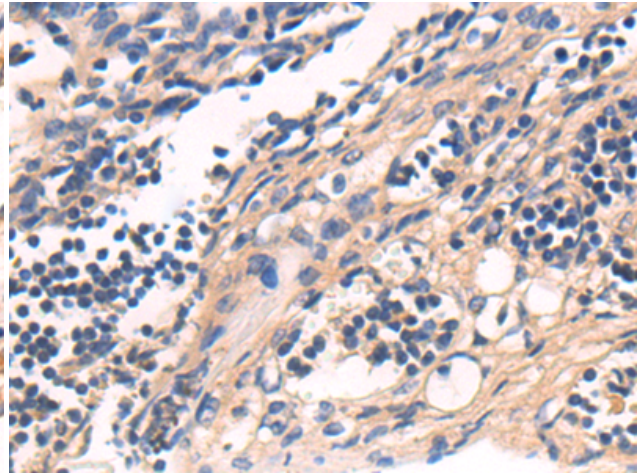
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Cancer, Neuroscience, Signal Transduction

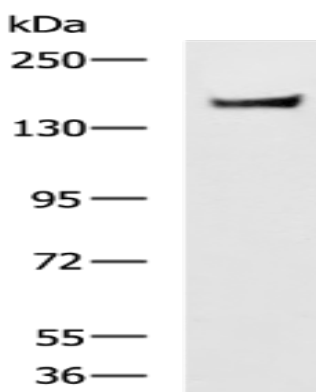
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin-embedded Human thyroid cancer tissue using 216755 (PTCH1 Antibody) at a dilution of 1/70 (Cytoplasm).



Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using 216755 (Anti-PTCH1 Antibody) at a dilution of 1/70.



Gel: 6% SDS-PAGE, Lysate: 40 μ g;
Lane: Mouse brain tissue lysate;
Primary antibody: 216755 (PTCH1 Antibody) at dilution 1/1000;
Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution;
Exposure time: 20 seconds