

## SHH RABBIT PAB

货号: S219986

产品全名: SHH 兔多抗

基因符号 TPT, HHG1, HLP3, HPE3, SMMCI, TPTPS, MCOPCB5

**UNIPROT ID:** Q15465 (Gene Accession - NP\_000184)

**背景:** This gene encodes a protein that is instrumental in patterning the early embryo. It has been implicated as the key inductive signal in patterning of the ventral neural tube, the anterior-posterior limb axis, and the ventral somites. Of three human proteins showing sequence and functional similarity to the sonic hedgehog protein of *Drosophila*, this protein is the most similar. The protein is made as a precursor that is autocatalytically cleaved; the N-terminal portion is soluble and contains the signalling activity while the C-terminal portion is involved in precursor processing. More importantly, the C-terminal product covalently attaches a cholesterol moiety to the N-terminal product, restricting the N-terminal product to the cell surface and preventing it from freely diffusing throughout the developing embryo. Defects in this protein or in its signalling pathway are a cause of holoprosencephaly (HPE), a disorder in which the developing forebrain fails to correctly separate into right and left hemispheres. HPE is manifested by facial deformities. It is also thought that mutations in this gene or in its signalling pathway may be responsible for VACTERL syndrome, which is characterized by vertebral defects, anal atresia, tracheoesophageal fistula with esophageal atresia, radial and renal dysplasia, cardiac anomalies, and limb abnormalities. Additionally, mutations in a long range enhancer located approximately 1 megabase upstream of this gene disrupt limb patterning and can result in preaxial polydactyly.

**抗原:** Synthetic peptide of human SHH

**经过测试的应用:** ELISA, IHC

**推荐稀释比:** IHC: 50-100; ELISA: 2000-10000

**种属反应性:** Rabbit

**克隆性:** Rabbit Polyclonal

**亚型:** Immunogen-specific rabbit IgG

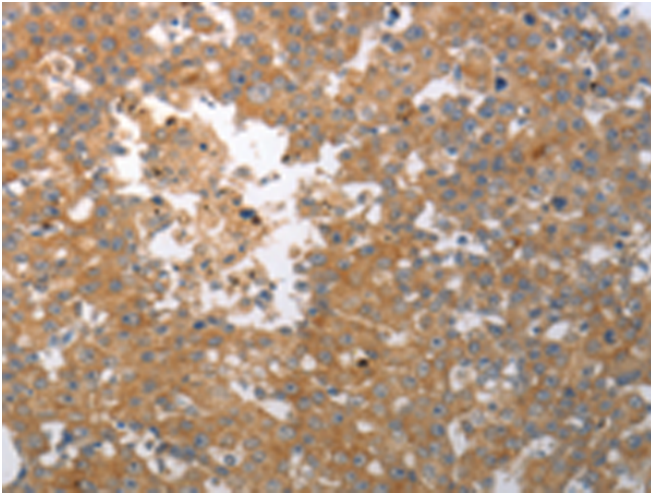
**纯化:** Antigen affinity purification

**种属反应性:** Human, Mouse, Rat

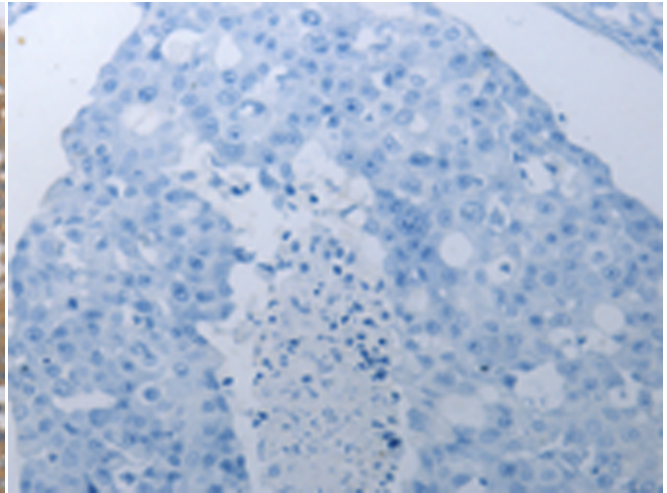
**成分:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**研究领域:** Epigenetics and Nuclear Signaling, Cancer, Cardiovascular, Metabolism, Signal Transduction, Stem Cells, Developmental Biology

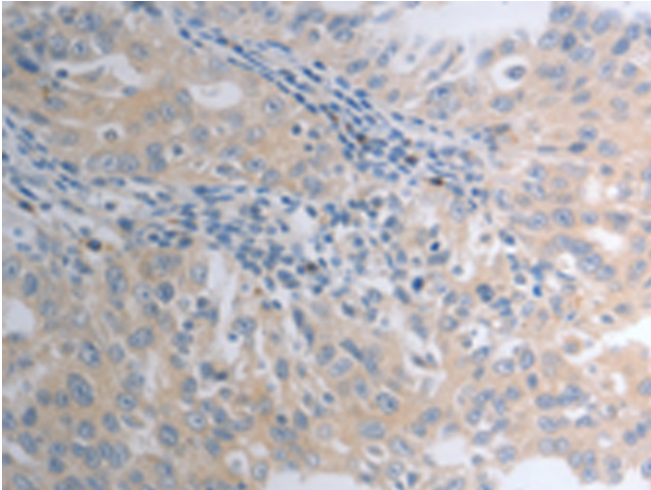
**储存和运输:** Store at -20°C. Avoid repeated freezing and thawing



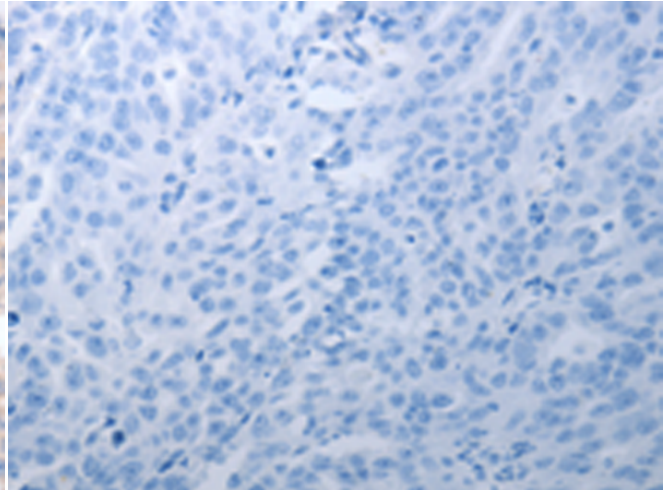
Immunohistochemistry analysis of paraffin embedded Human breast cancer tissue using 219986(SHH Antibody) at a dilution of 1/40(Cytoplasm, ExtraCellular space).



In comparison with the IHC on the left, the same paraffin-embedded Human breast cancer tissue is first treated with the synthetic peptide and then with 219986(Anti-SHH Antibody) at dilution 1/40.



The image on the left is immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using 219986(Anti-SHH Antibody) at a dilution of 1/40.



In comparison with the IHC on the left, the same paraffin-embedded Human ovarian cancer tissue is first treated with synthetic peptide and then with D260733(Anti-SHH Antibody) at dilution 1/40.