

Anti-SHH antibody

Cat. No.	ml260733
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol

Product overview

Description	Anti-SHH rabbit polyclonal antibody
Applications	ELISA, IHC
Immunogen	Synthetic peptide of human SHH
Reactivity	Human, Mouse, Rat
Content	0.8 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	SHH
Full name	Sonic hedgehog
Synonyms	TPT, HHG1, HLP3, HPE3, SMMCI, TPTPS, MCOPCB5
Swissprot	Q15465

Target Background

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.

订购热线: 4008-898-798

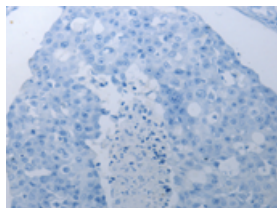
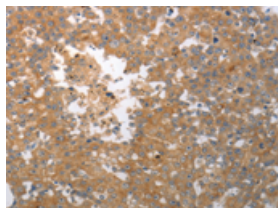
Applications

Immunohistochemistry

Predicted cell location: Cytoplasm, ExtraCellular space

Positive control: Human breast cancer

Recommended dilution: 50-100

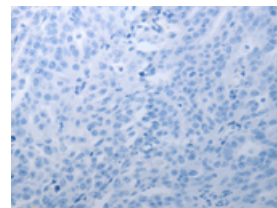
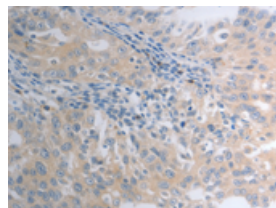


The image on the left is immunohistochemistry of paraffin-embedded Human breast cancer tissue using ml260733(SHH Antibody) at dilution 1/40, on the right is treated with synthetic peptide. (Original magnification: $\times 200$)

Predicted cell location: Cytoplasm, ExtraCellular space

Positive control: Human ovarian cancer

Recommended dilution: 50-100



The image on the left is immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using ml260733(SHH Antibody) at dilution 1/40, on the right is treated with synthetic peptide. (Original magnification: $\times 200$)

ELISA

Recommended dilution: 2000-10000

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