Sonic Hedgehog (Shh) Rabbit pAb

货号: B11890

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	**WB:** Rattus norvegicus , Homo sapiens
应用	WB IHC IF/ICC
推荐浓度	**WB:** 1:500 - 1:1000 **IHC:** 1:50 - 1:100 **IF/ICC:** 1:50 - 1:200
理论分子量	49kDa
实测分子量	19KDa
形式	Liquid
保存条件	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	HeLa,HepG2,Rat lung
细胞定位	Cell membrane,Lipid-anchor,Secreted,extracellular space
纯化	Affinity purification

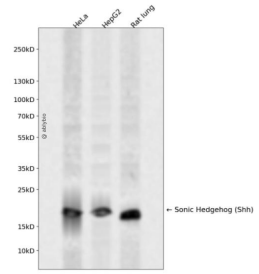
抗原信息

抗原信息	A synthetic peptide corresponding to a sequence within amino acids 200-300 of human Sonic Hedgehog (Shh) (NP_000184.1).
序列	PGSATVHLEQGGTKLVKDLSPGDRVLAADDQGRLLYSDFLTFLDRDDGAKKVFYVIETREPRERLLLTAAHLLFVAPHNDS ATGEPEASSGSGPPSGGALG

靶点信息

研究背景	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 hedgeh og protein of Drosophila, this protein is the most similar. The protein is made as a precursor that is autoc atalytically cleaved; the N-terminal portion is soluble and contains the signalling activity while the C-termi nal portion is involved in precursor processing. More importantly, the C-terminal product covalently attac hes a cholesterol moiety to the N-terminal product, restricting the N-terminal product to the cell surface a nd preventing it from freely diffusing throughout the developing embryo. Defects in this protein or in its si gnalling pathway are a cause of holoprosencephaly (HPE). It is also thought that mutations in this gene or in its signalling pathway may be responsible for VACTERL syndrome. Additionally, mutations in a long ran ge enhancer located approximately 1 megabase upstream of this gene disrupt limb patterning and can re sult in preaxial polydactyly.
基因**ID**	6469
基因名	SHH
Swiss	Q15465
别名	SHH;HHG1;HLP3;HPE3;MCOPCB5;SMMCI;TPT;TPTPS

产品验证



Western blot analysis of Sonic Hedgehog (Shh) expressed in HeLa,HepG2,Rat lung using Sonic He dgehog (Shh) Rabbit pAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:50 00. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

实验步骤

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