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Sonic Hedgehog Rabbit mAb

货号: **AYM28498**

产品信息

反应	Human
宿主	Rabbit
克隆性	Monoclonal
预测反应	
应用	WB IHC FC ICC/IF
推荐浓度	WB: 1:500 - 1:2000 IHC: 1:50 - 1:200 IF/ICC: 1:50 - 1:200 FC: 1:20 - 1:50
理论分子量	49kDa
实测分子量	51kDa
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,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

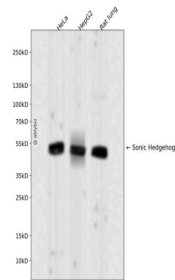
抗原信息

抗原信息	Recombinant fusion protein corresponding to Human Sonic Hedgehog.
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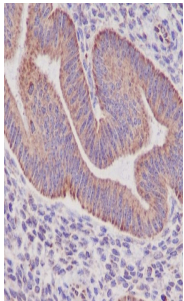
靶点信息

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 hedgehog protein of <i>Drosophila</i> , 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). 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 range enhancer located approximately 1 megabase upstream of this gene disrupt limb patterning and can result in preaxial polydactyly.
基因ID	6469
基因名	SHH
Swiss	Q15465 (https://www.uniprot.org/uniprotkb/Q15465/entry)
别名	Sonic Hedgehog,Sonic Hedgehog Rabbit mAb,SHH,HHG-1,Shh unprocessed N-terminal signaling and C-terminal autoprocessing domains,Shh N-terminal processed signaling domains

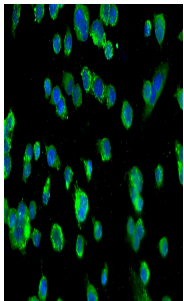
产品验证



Western blot analysis of Sonic Hedgehog expressed in HeLa,HepG2,Rat lung using Sonic Hedgehog Rabbit mAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.



Immunohistochemical analysis of paraffin-embedded human endometrium, using Sonic Hedgehog Antibody.



The samples were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab Sonic Hedgehog and Rabbit actin for 1 hour at 37°C. an AlexaFluor488 conjugated goat.The nuclear counter stain is DAPI.

实验步骤

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