兔抗 SHH 多克隆抗体

中文名称：兔抗 SHH 多克隆抗体

英文名称：　Anti-SHH rabbit polyclonal antibody

别　　名：　TPT, HHG1, HLP3, HPE3, SMMCI, TPTPS, MCOPCB5

相关类别：　一抗

储　　存：　冷冻（-20℃）

宿　　主：　Rabbit

抗　　原：　SHH

反应种属：　Human, Mouse, Rat

标记物：　Unconjugate

克隆类型：　rabbit polyclonal

技术规格

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.
Applications:	ELISA, IHC
Name of antibody:	SHH
Immunogen:	Synthetic peptide of human SHH
Full name:	Sonic hedgehog
Synonyms :	TPT, HHG1, HLP3, HPE3, SMMCI, TPTPS, MCOPCB5
SwissProt:	Q15465
ELISA Recommended dilution:	2000-10000
IHC positive control:	Human breast cancer and Human colon cancer
IHC Recommend dilution:	50-200