



Anti-SHH (aa 300-400) polyclonal antibody (DPABH-04221)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Binds to the patched (PTC) receptor, which functions in association with smoothened (SMO), to activate the transcription of target genes. In the absence of SHH, PTC represses the constitutive signaling activity of SMO. Also regulates another target, the gli oncogene. Intercellular signal essential for a variety of patterning events during development: signal produced by the notochord that induces ventral cell fate in the neural tube and somites, and the polarizing signal for patterning of the anterior-posterior axis of the developing limb bud. Displays both floor plate- and motor neuron-inducing activity. The threshold concentration of N- product required for motor neuron induction is 5-fold lower than that required for floor plate induction.
Immunogen	Synthetic peptide conjugated to KLH derived from within residues 300 - 400 of Human Sonic Hedgehog.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Size	100 µg
Buffer	pH: 7.40; Constituent: PBS

Preservative	0.02% Sodium Azide
Storage	Store at 4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	SHH sonic hedgehog [Homo sapiens]
Official Symbol	SHH
Synonyms	SHH; sonic hedgehog; TPT; HHG1; HLP3; HPE3; SMMCI; TPTPS; MCOPCB5; sonic hedgehog protein; sonic hedgehog homolog;
Entrez Gene ID	6469
Protein Refseq	NP_000184.1
UniProt ID	Q15465
Pathway	Basal cell carcinoma; Class B/2 (Secretin family receptors); GPCR ligand binding; Heart Development
Function	calcium ion binding; glycoprotein binding; glycosaminoglycan binding; laminin-1 binding