



# 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

<b>Antigen Description</b>	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.
<b>Immunogen</b>	Synthetic peptide conjugated to KLH derived from within residues 300 - 400 of Human Sonic Hedgehog.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Mouse
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	pH: 7.40; Constituent: PBS

<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	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

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