

## Mouse Monoclonal Antibody to SHH

<b>Catalogue Number</b>	sAP-0725
<b>Target Molecule</b>	<b>Name:</b> SHH <b>Aliases:</b> TPT; HHG1; HLP3; HPE3; SMMCI; TPTPS; MCOPCB5 <b>MW:</b> 49.6kDa <b>Entrez Gene ID:</b> 6469
<b>Description</b>	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
<b>Immunogen</b>	Purified recombinant fragment of human SHH (AA: 26-161) expressed in E. Coli. ; ;
<b>Recitative Species</b>	Human; Mouse; Monkey
<b>Clone</b>	MM5H4;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1.Br J Cancer. 2010 Feb 16;102(4):738-47. ; 2.Mol Cancer. 2009 Dec 16;8:123. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**