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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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SHH monoclonal antibody (M03), clone 1B11

Catalog # : H00006469-M03 **規格 :** [100 ug]

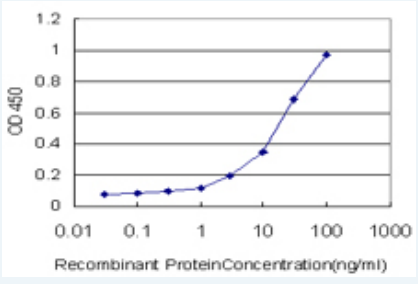
List All

Specification

Product Description:	Mouse monoclonal antibody raised against a partial recombinant SHH.
Immunogen:	SHH (NP_000184, 181 a.a. ~ 280 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	IHCSVKAENSVAAKSGGCFPGSATVHLEQGGTKLVKDLSPGDRVLAADDQGRLLYSDFLTFLDRDDGAKKVFYVIETREPRERLLLTAAHLLFVAPHNDS
Host:	Mouse
Reactivity:	Human
Isotype:	IgG2a Kappa
Quality Control Testing:	Antibody Reactive Against Recombinant Protein.
Storage Buffer:	In 1x PBS, pH 7.4
Storage Instruction:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
MSDS:	Download
Datasheet:	Download

Applications

Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged SHH is approximately 0.3ng/ml as a capture antibody.

Protocol Download

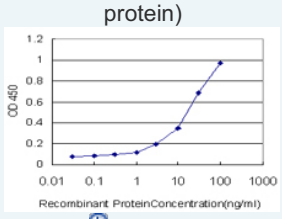
ELISA

Gene Information

Entrez GeneID:	6469
GeneBank	NM_000193

Application Image

Sandwich ELISA (Recombinant protein)



enlarge

ELISA

Accession#:	
Protein Accession#:	NP_000184
Gene Name:	SHH
Gene Alias:	HHG1,HLP3,HPE3,MCOPCB5,SMMCI,TPT,TPTPS
Gene Description:	sonic hedgehog homolog (Drosophila)
Omim ID:	120200, 142945, 147250, 174500, 600725
Gene Ontology:	Hyperlink
Gene Summary:	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. [provided by RefSeq
Other Designations:	sonic hedgehog

Gene Pathway

Basal cell carcinoma Hedgehog signaling pathway Pathways in cancer

Related Disease

Cleft Lip Cleft Palate Genetic Predisposition to Disease Holoprosencephaly Kidney Failure, Chronic Parkinson Disease Parkinson disease Sleep Apnea, Obstructive Syndrome Thyroid Neoplasms