

Anti-SHH monoclonal antibody, clone 282039 [Biotin] (DCABY-4318)

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

PRODUCT INFORMATION

Antigen Description	View Sonic Hedgehog IHC images.
Specificity	Detects mouse Sonic Hedgehog (Shh)N-terminal peptide in ELISAs. In ELISAs, this antibody shows approximately 10% cross-reactivity with recombinant human (rh) Shh N-terminal peptide but no cross-reactivity with rmDhh N-terminal (aa 23-198) or C-terminal (aa 199-396) peptides, rmShh C-terminal peptide (aa 199-437), or rmHIP.
Immunogen	E. coli-derived recombinant mouse Sonic Hedgehog N-Terminus. Cys25-Gly198 (Lys122Arg) Accession Number Q62226
Isotype	IgG2a
Source/Host	Rat
Species Reactivity	Mouse
Clone	282039
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Biotin
Applications	ELISA Detection (Matched Pair)
Procedure	Matched Antibody Pairs
Format	Liquid
Size	50 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.

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Preservative	None
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	Shh sonic hedgehog [Mus musculus (house mouse)]
Official Symbol	SHH
Synonyms	SHH; sonic hedgehog; Hx; Dsh; Hhg1; Hxl3; M100081; 9530036O11Rik; sonic hedgehog protein; HHG-1; short digits; hemimelic extra toes;
Entrez Gene ID	20423
Protein Refseq	NP_033196
UniProt ID	Q62226
Chromosome Location	5 B1; 5 14.39 cM
Pathway	Basal cell carcinoma; Dopminergic Neurogenesis; Heart Development; Hedgehog Signaling Pathway; Hedgehog signaling pathway; Pathways in cancer; PluriNetWork;
Function	calcium ion binding; glycoprotein binding; glycosaminoglycan binding; NOT hydrolase activity; laminin-1 binding; metal ion binding; patched binding; peptidase activity; protein binding; zinc ion binding;

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