



Anti-SHH monoclonal antibody, clone 282029 (DCABY-3927)

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 in ELISAs. In Western blots, approximately 50% cross-reactivity with recombinant mouse (rm) Dhh (N-terminus; aa 23-198) is observed and no cross-reactivity with rmlhh (N-terminus; aa 66-240), rmDhh (C-terminus; aa 199-396), or rmShh (C-terminus; aa 199 - 437) is observed.
Immunogen	E. coli-derived recombinant mouse Sonic Hedgehog. Cys25-Gly198 (Lys122Arg) Accession Number Q62226
Isotype	IgG2a
Source/Host	Rat
Species Reactivity	Mouse
Clone	282029
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Unconjugated
Applications	Western Blot, Immunohistochemistry, ELISA Capture (Matched Pair), Neutralization
Format	Liquid
Size	500 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
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; Dopaminergic 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;