



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

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| 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) |
| Format | Liquid |
| Size | 50 µg |
| Buffer | Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. |
| Preservative | None |

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| 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

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|----------------------------|---|
| 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; |