



Anti-GREM2 polyclonal antibody [Biotin] (DPABY-550)

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

PRODUCT INFORMATION

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| Antigen Description | PRDC (protein related to DAN and Cerberus) is a secreted, cysteine knot-containing BMP antagonist belonging to the Cerberus/DAN (CAN) family. Mammalian CAN family members, including Gremlin, DAN, Cerberus, COCO, SOST, and USAG-1, have the conserved 6 cysteine residues that form a cysteine knot, and two additional cysteine residues located in the cysteine knot loops that form an additional intrasubunit disulfide bond. Some members of this family, including PRDC, have an additional cysteine residue used for dimerization. |
| Specificity | Detects mouse PRDC/GREM2 in ELISAs and Western blots. In sandwich immunoassays, less than 0.1% cross-reactivity with recombinant mouse (rm)Cerberus, rmGremlin, rmDAN, recombinant human (rh)COCO, rhGremlin, and rmBMP-4 is observed. |
| Immunogen | E. coli-derived recombinant mouse PRDC/GREM2. Arg22-Gln168 Accession Number O88273 |
| Isotype | IgG |
| Source/Host | Goat |
| Species Reactivity | Mouse |
| Purification | Antigen Affinity-purified |
| Conjugate | Biotin |
| Applications | Western Blot, 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. |

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

GENE INFORMATION

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| Gene Name | Grem2 gremlin 2 homolog, cysteine knot superfamily (Xenopus laevis) [Mus musculus (house mouse)] |
| Official Symbol | GREM2 |
| Synonyms | GREM2; gremlin 2 homolog, cysteine knot superfamily (Xenopus laevis); Prdc; Gremlin2; gremlin-2; Gremlin1; protein related to DAN and cerberus; cysteine knot superfamily 1, BMP antagonist 2; |
| Entrez Gene ID | 23893 |
| Protein Refseq | NP_035955 |
| UniProt ID | O88273 |
| Chromosome Location | 1 H3; 1 |
| Pathway | Signal Transduction; Signaling by BMP; |
| Function | BMP binding; cytokine activity; heparin binding; protein homodimerization activity; |