



Anti-KREMEN1 monoclonal antibody, clone 363644 (DCABY-4247)

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

PRODUCT INFORMATION

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| Antigen Description | Kremen (Kringle-containing protein marking the eye and the nose) proteins are type I transmembrane proteins that contain extracellular kringle, WSC and CUB domains and an intracellular region without any conserved motifs. Two related members, Kremen-1 and -2, have been identified. Kremens bind a subset of the secreted Dickkopf (Dkk) proteins with high affinity. The canonical Wnt signaling pathway receptor complex composed of Wnt, the seven-transmembrane domain receptor Frizzled, and the receptor-related protein 5/6 (LRP5/6) coreceptor, is modulated by Kremens and Dkk proteins. |
| Specificity | Detects mouse Kremen-1 in direct ELISAs. In sandwich immunoassays, no cross-reactivity or interference with recombinant human Kremen-2, recombinant mouse (rm) Kremen-2, rmDkk-1, rmDkk-4, or rmLRP-6 is observed. |
| Immunogen | Mouse myeloma cell line NS0-derived recombinant mouse Kremen-1. Ala20-Gly395 Accession Number Q99N43 |
| Isotype | IgG2a |
| Source/Host | Rat |
| Species Reactivity | Mouse |
| Clone | 363644 |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Conjugate | Unconjugated |
| Applications | ELISA Capture (Matched Pair) |
| Format | Liquid |

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| 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 from date of receipt, 2 to 8 °C, reconstituted. 6 months from date of receipt, -20 to -70 °C, reconstituted. |

GENE INFORMATION

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| Gene Name | Kremen1 kringle containing transmembrane protein 1 [Mus musculus (house mouse)] |
| Official Symbol | KREMEN1 |
| Synonyms | KREMEN1; kringle containing transmembrane protein 1; Krm1; Kremen; AV002070; kremen protein 1; dickkopf receptor; kringle-coding gene marking the eye and the nose; kringle domain-containing transmembrane protein 1; kringle-containing protein marking the e |
| Entrez Gene ID | 84035 |
| Protein Refseq | NP_115772 |
| UniProt ID | Q99N43 |
| Chromosome Location | 11 A1; 11 |