

## Goat anti-GM2A (aa 179-189) Antibody

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| <b>Item Number</b>     | dAP-2333   |
| <b>Target Molecule</b> | Principle Name: GM2A (aa 179-189); Official Symbol: GM2A; All Names and Symbols: GM2A; GM2 ganglioside activator; SAP-3; cerebroside sulfate activator protein; sphingolipid activator protein 3; Accession Number (s): NP_000396.2; Human Gene ID(s): 2760; Non-Human GeneID(s): 14667 (mouse) 282838 (rat)     |
| <b>Immunogen</b>       | KRLGCIKIAAS, is from internal region<br>This antibody is expected to recognize isoform 1 (NP_000396.2) only.   |
| <b>Applications</b>    | Pep ELISA, WB<br>Species Tested: Human, Rat  |
| <b>Purification</b>    | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.  |
| <b>Supplied As</b>     | Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.<br>Aliquot and store at -20°C. Minimize freezing and thawing.                         |
| <b>Peptide ELISA</b>   | Peptide ELISA: antibody detection limit dilution 1 to 4000.  |
| <b>Western Blot</b>    | Western Blot: In transfected HEK293 transiently expressing full-length Human GM2A (myc and DYKDDDDK tagged), a band of approx. 28kDa was observed. No bands were observed in mock-transfected HEK293 and the same band was observed using anti-DYKDDDDK tag an   |
| <b>IHC</b>             |  |
| <b>Reference</b>       | Reference(s): Todeschini AR, Dos Santos JN, Handa K, Hakomori SI, Ganglioside GM2-tetraspanin CD82 complex inhibits met and its cross-talk with integrins, providing a basis for control of cell motility through glycosynapse. The Journal of biological chemistry 2007 Mar 282 (11): 8123-33..PMID: 17215249-> |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**