

## Product datasheet for **AP23749PU-N**

### GM2A (179-189) Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	<b>Peptide ELISA:</b> 1/4000 (Detection Limit). <b>Western blot:</b> 0.3-1 µg/ml. 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 antibody. Approx. 24kDa band was observed in Rat Kidney lysates (calculated MW of 21.5kDa according to NP_758838.2 ). Purchase the +ve control! The transfected lysate used to QC this product is available for sale.
Reactivity:	Canine, Human, Mouse, Rat
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Peptide with sequence (aa 1798-189) from the internal region of the protein sequence according to NP_000396.2.
Specificity:	This antibody is expected to recognize isoform 1 (NP_000396.2) only.
Formulation:	Tris saline, pH 7.3 containing 0.02% Sodium Azide as preservative and 0.5% BSA as stabilizer. State: Aff - Purified State: Liquid purified IgG fraction
Concentration:	lot specific
Purification:	Ammonium Sulphate Precipitation followed by antigen Affinity Chromatography using the immunizing peptide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	GM2 ganglioside activator
Database Link:	<a href="#">Entrez Gene 2760 Human P17900</a>



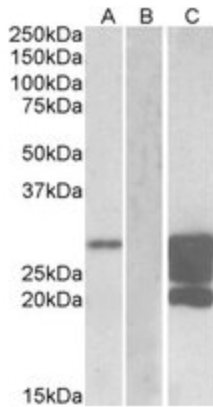
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**Background:**

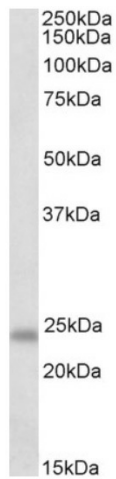
This gene encodes a small glycolipid transport protein which acts as a substrate specific co-factor for the lysosomal enzyme beta-hexosaminidase A. Beta-hexosaminidase A, together with GM2 ganglioside activator, catalyzes the degradation of the ganglioside GM2, and other molecules containing terminal N-acetyl hexosamines. Mutations in this gene result in GM2-gangliosidosis type AB or the AB variant of Tay-Sachs disease.

**Synonyms:**

Ganglioside GM2 activator, GM2-AP, Cerebroside sulfate activator protein, Shingolipid activator protein 3

**Product images:**


HEK293 lysate (10 ug protein in RIPA buffer) overexpressing Human GM2A with DYKDDDDK tag probed with (1.0 ug/ml) in Lane A and probed with anti-DYKDDDDK Tag (1/30000) in Lane C. Mock-transfected HEK293 probed with (1 mg/ml) in Lane B. Primary incubations were for 1 hour. Detected by chemiluminescence.



Staining of Rat Kidney lysate using GM2A Antibody at 0.3 ug/ml (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.