GM2A Polyclonal ANTIBODY

Catalog Number: 10864-2-AP

Basic Information

Catalog Number: 10864-2-AP
Size: 30 μg/150 μl
Source: Rabbit
IgG
Purification Method: Antigen affinity purification
Immunogen Catalog Number: AG1295

Recommended Dilutions:
- WB: 1:500-1:1000
- IP: 0.5-4.0 μg for IP and 1:500-1:1000 for WB
- IHC: 1:50-1:500

Applications

Tested Applications:
- IHC, IP, WB, ELISA

Cited Applications:
- WB

Species Specificity:
- human, mouse, rat

Cited Species:
- human, rat

Note: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

GM2A, also named as GM2-AP and SAP-3, is the large binding pocket which can accommodate several single chain phospholipids and fatty acids. GM2A also exhibits some calcium-independent phospholipase activity. It plays a key role in the degradation of ganglioside GM2 (GM2). GM2A stimulates only the breakdown of ganglioside GM2 and glycolipid GA2 by beta-hexosaminidase A.

Notable Publications

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<th>Author</th>
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<tr>
<td>Olga Eleftheriadou</td>
<td>28526910</td>
<td>Basic Res Cardiol</td>
<td>WB</td>
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<tr>
<td>Seiichiro Ishihara</td>
<td>30404674</td>
<td>Cell Struct Fund</td>
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Storage

Store at -20°C. Stable for one year after shipment.
Storage Buffer: PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
Selected Validation Data

- Rat kidney tissue were subjected to SDS PAGE followed by western blot with 10864-2-AP (GM2A antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.

- Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 10864-2-AP (GM2A antibody) at dilution of 1:200 (under 10x lens), heat mediated antigen retrieved with Tris-EDTA buffer(pH9).

- Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 10864-2-AP (GM2A antibody) at dilution of 1:200 (under 40x lens), heat mediated antigen retrieved with Tris-EDTA buffer(pH9).