

ganglioside GM1 Rabbit pAb

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Catalog # AP94147

Product Information

Application	IHC-P, IHC-F, IF
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Physical State	Liquid
Immunogen	KLH conjugated ganglioside GM1 purified from pig
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Plasma membrane
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	A member of the family of glycosphingolipids, monosialoanglioside acts as a receptor and antigen for cholera. GM1 ganglioside, one of the glycosphingolipids widely distributed in all tissues, occurs in highest concentrations in the central nervous system (CNS). It is primarily located in the outer surface of the mammalian cell's plasma membrane and in synaptic membranes of the CNS. GM1 ganglioside modulates a number of cell surface and receptor activities as well as neuronal differentiation and development, protein phosphorylation and synaptic function.

Additional Information

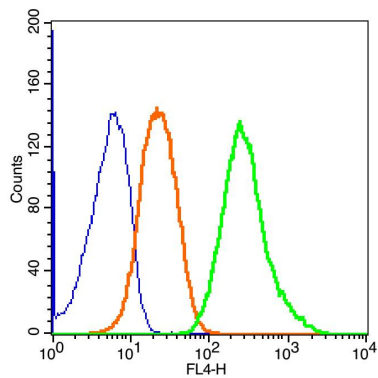
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,Flow-Cyt=0.2 µg/Test
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Background

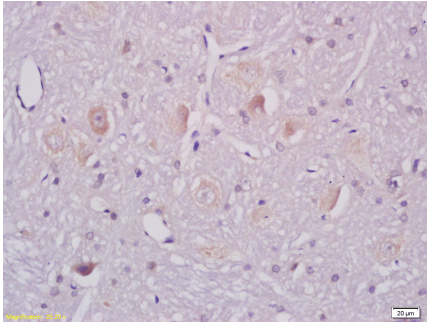
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Images

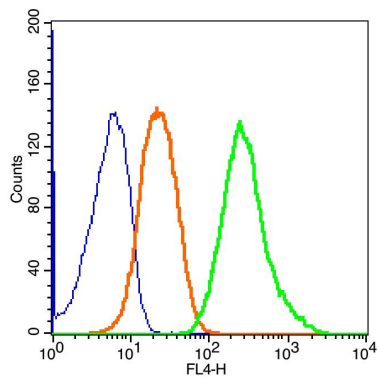
Blank control:RSC96 (blue). Primary Antibody: Rabbit Anti-ganglioside GM1/AF647 Conjugated antibody (AP94147-AF647), Dilution: 0.2 µg in 100 µL 1X PBS



containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG/AF647(orange) ,used under the same conditions.



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-GM1(GS) Polyclonal Antibody, Unconjugated(AP94147) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.