

Rabbit GM2A Polyclonal Antibody | anti-GM2A antibody

Rabbit Polyclonal to Human GM2A

CATALOG # AAA51352	HOST Rabbit	REACTIVITY Gibbon, Gorilla, Human, Monkey	APPLICATIONS Immunohistochemistry
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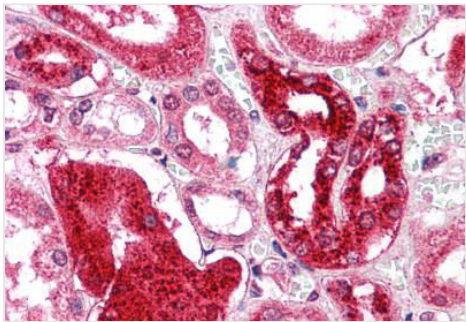
PRODUCT SYNONYMS

GM2A; Polyclonal Antibody; Rabbit Polyclonal to Human GM2A; Anti-GM2A Antibody (N-Terminus) IHC-plus; Ganglioside GM2 activator; GM2 ganglioside activator; GM2-AP; SAP-3; Human GM2A; anti-GM2A antibody

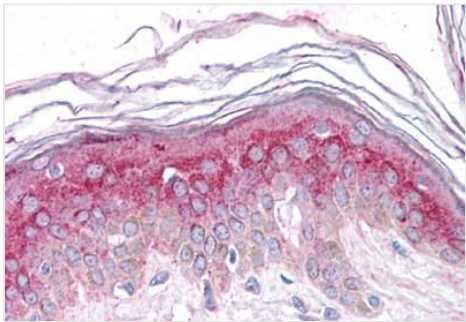
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Gibbon, Gorilla, Human, Monkey
Clonality	Polyclonal
Specificity	Human GM2A. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except NBR1 (53%).
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	193
Applicable Applications for anti-GM2A antibody	IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic 17 amino acid peptide from N-terminus of human GM2A. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey (100%); Marmoset, Rat, Bovine, Cat, Elephant, Pig (88%); Mouse, Hamster, Panda, Horse, Platypus (82%).
Immunogen Type	Synthetic peptide
Immunogen	GM2A antibody was raised against synthetic 17 amino acid peptide from N-terminus of human GM2A. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey (100%); Marmoset, Rat, Bovine, Cat, Elephant, Pig (88%); Mouse, Hamster, Panda, Horse, Platypus (82%).
Antigen Modification	N-Terminus
Preparation and Storage	Short term 4 degree C, long term aliquot and store at -20 degree C, avoid freeze thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Anti-GM2A antibody IHC of human kidney. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)
Anti-GM2A antibody IHC of human skin. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-GM2A antibody	The protein encoded by this gene is 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 protein, 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	39995109
NCBI GeneID	2760
NCBI Accession #	NP_000396.2
NCBI GenBank Nucleotide #	NM_000405.4
UniProt Accession #	P17900; Q14426; Q14428; Q6LBL5; B2R699; D3DQH6
Molecular Weight	20,838 Da
NCBI Official Full Name	ganglioside GM2 activator isoform 1
NCBI Official Synonym Full Names	GM2 ganglioside activator
NCBI Official Symbol	GM2A
NCBI Official Synonym Symbols	SAP-3; GM2-AP
NCBI Protein Information	ganglioside GM2 activator; shingolipid activator protein 3; sphingolipid activator protein 3; cerebroside sulfate activator protein
UniProt Protein Name	Ganglioside GM2 activator
UniProt Gene Name	GM2A
UniProt Synonym Gene Names	SAP-3
UniProt Entry Name	SAP3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.