

ASAH2-Specific Polyclonal antibody

Catalog Number: 19513-1-AP

Basic Information

Catalog Number:

19513-1-AP

Size:

150ul

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_019893

GeneID (NCBI):

56624

UNIPROT ID:

Q9NR71

Full Name:

N-acylsphingosine amidohydrolase
(non-lysosomal ceramidase) 2

Calculated MW:

86 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

ELISA

Species Specificity:

human, mouse, rat

Background Information

ASAH2, also named as HNAC1, belongs to the neutral ceramidase family. ASAH2 catalyze the reaction: N-acylsphingosine + H₂O = a carboxylate + sphingosine. ASAH2 hydrolyzes the sphingolipid ceramide into sphingosine and free fatty acid at an optimal pH of 6.5-8.5. ASAH2 acts as a key regulator of sphingolipid signaling metabolites by generating sphingosine at the cell surface. And ASAH2 acts as a repressor of apoptosis both by reducing C16-ceramide, thereby preventing ceramide-induced apoptosis, and generating sphingosine, a precursor of the antiapoptotic factor sphingosine 1-phosphate. ASAH2 is probably involved in the digestion of dietary sphingolipids in intestine by acting as a key enzyme for the catabolism of dietary sphingolipids and regulating the levels of bioactive sphingolipid metabolites in the intestinal tract.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:

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