

# ASAH2-Specific Polyclonal antibody

Catalog Number: 19513-1-AP

## Basic Information

**Catalog Number:**

19513-1-AP

**Size:**

N/A

**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 + H<sub>2</sub>O = 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

