

Datasheet for ABIN783822  
**anti-ASAH1 antibody (C-Term)**

## 2 Images

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## Overview

Quantity:	0.1 mg
Target:	ASAH1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ASAH1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	16 amino acid peptide near the carboxy terminus of the Human ASAH1
Specificity:	This antibody detects Acid ceramidase at C-term.
Cross-Reactivity (Details):	Species reactivity (tested): Human, Mouse, Rat.
Purification:	Affinity chromatography purified via peptide column

## Target Details

Target:	ASAH1
Alternative Name:	Acid Ceramidase ( <a href="#">ASAH1 Products</a> )
Background:	Sphingolipids are hydrolyzed by ceramidases to yield sphingosine and fatty acids. These

## Target Details

ceramidases are classified according to the pH range that supports their optimal activity. ASAH1 is an acid ceramidase and key regulator of ceramide metabolism. Mutations in this gene results in Farber Lipogranulomatosis, a fatal human genetic disorder that results in the painful swelling of the joints and tendons and pulmonary insufficiency, while a complete knockout of its expression is lethal in mice. Recent studies have shown elevated levels of ASAH1 in Alzheimer's disease (AD) patients correlating with a reduction in sphingomyelin and elevation of ceramide. Pretreatment of cultured neurons with recombinant AHAH1 prevented the cells from undergoing A-beta (Ab)-induced apoptosis. Multiple isoforms of this protein are known to exist. Synonyms: ASAH, ASAH1, Acylsphingosine deacylase, N-acylsphingosine amidohydrolase, PHP32, Putative 32 kDa heart protein

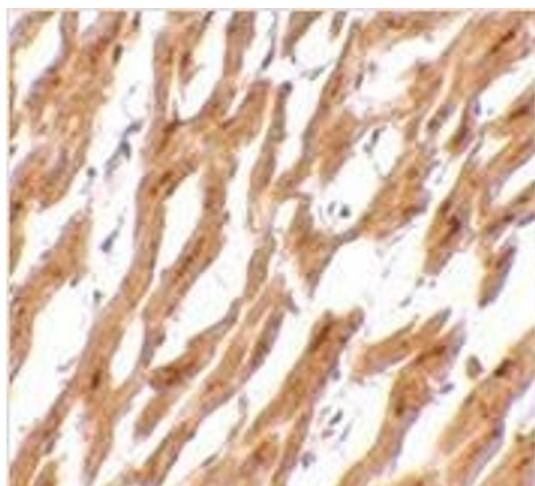
Gene ID:	427
NCBI Accession:	<a href="#">NP_001120977</a>
UniProt:	<a href="#">Q13510</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

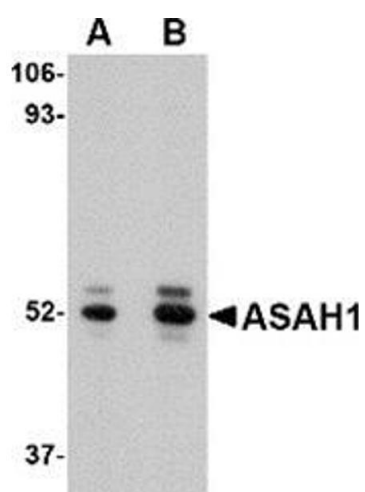
## Handling

Buffer:	PBS containing 0.02 % Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C up to three months or (in aliquots) at -20 °C for longer.



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemistry of ASA1 in human heart tissue with ASA1 antibody at 2.5  $\mu\text{g/ml}$ .



#### Western Blotting

**Image 2.** Western blot analysis of ASA1 in mouse heart tissue lysate with ASA1 antibody at (A) 1 and (B) 2  $\mu\text{g/ml}$ .