BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Neutral ceramidase ASAH2 Antibody

Catalog Number: A04725

About ASAH2

Sphingolipids are hydrolyzed by ceramidases to yield sphingosine and fatty acids. These ceramidases are classified according to the pH range that supports their optimal activity. ASAH2 is a neutral ceramidase and key regulator of sphingolipid signaling metabolites at the cell surface, catalyzing the hydrolysis of the N-acyl linkage of ceramide at an optimal pH of 6.5-8.5. ASAH2 is a type II integral membrane protein that can be cleaved to yield a soluble secreted protein and acts as a repressor of apoptosis both by reducing C16-ceramide, thereby preventing ceramide-induced apoptosis, and generating sphingosine. Sphingosine exerts both mitogenic and apoptosis-inducing activities, and its phosphorylated form functions as an intra- and intercellular second messenger. ASAH2 is ubiquitously expressed primarily expressed with higher levels in the intestine, kidney, skeletal muscle and heart. Recent studies indicate that ASAH2 encoded neutral ceramidase is a key enzyme for the catabolism of dietary sphingolipids and regulates the levels of bioactive sphingolipid metabolites in the intestinal tract.

Submit a product review to Biocompare.com



Submit a review of this product to Biocompare.com to receive a $20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.

Overview

Product Name	Anti-Neutral ceramidase ASAH2 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Neutral ceramidase ASAH2 Antibody (Catalog # A04725). Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	ASAH2 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	ASAH2 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q9NR71

Technical Details

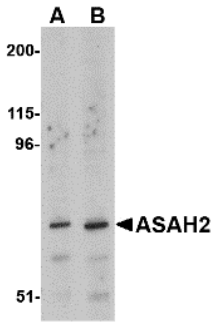
Immunogen	ASAH2 antibody was raised against a 17 amino acid synthetic peptide near the carboxy terminus of the human ASAH2. The immunogen is located within the last 50 amino acids of ASAH2.

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Predicted Reactive Species	Rat
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	ASAH2 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	ASAH2 antibody can be used for detection of ASAH2 by Western blot at 1 and 2 ug/mL. Antibody validated: Western Blot in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Neutral ceramidase ASAH2 Antibody (A04725) Images



Western blot analysis of ASAH2 in 293 cell lysate with ASAH2 antibody at (A) 1 and (B) 2 ug/mL.

Anti-Neutral ceramidase ASAH2 Antibody

For Research Use Only. Not for use in diagnostic procedures.