10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NAAA Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18542b

Specification

NAAA Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q02083
Other Accession	NP_001035861.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**40066**
Antigen Region	**331-359**

NAAA Antibody (C-term) - Additional Information

Gene ID 27163

Other Names
N-acylethanolamine-hydrolyzing acid amidase, 351-, Acid ceramidase-like protein, N-acylsphingosine amidohydrolase-like, ASAH-like protein, N-acylethanolamine-hydrolyzing acid amidase subunit alpha, N-acylethanolamine-hydrolyzing acid amidase subunit beta, NAAA, ASAHL, PLT

Target/Specificity
This NAAA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 331-359 amino acids from the C-terminal region of human NAAA.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
NAAA Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

NAAA Antibody (C-term) - Protein Information

Name NAAA {ECO:0000303|PubMed:30301806, ECO:0000312|HGNC:HGNC:736}

Function Degrades bioactive fatty acid amides to their corresponding acids, with the following preference: N-palmitoylethanolamine > N- myristoylethanolamine > N-lauroylethanolamine = N-stearoylethanolamine > N-arachidonoylethanolamine > N-oleoylethanolamine (PubMed:15655246, PubMed:17980170, PubMed:18793752, PubMed:30301806, PubMed:22825852). Also exhibits weak hydrolytic activity against the ceramides N-lauroylsphingosine and N-palmitoylsphingosine (PubMed:15655246).

Cellular Location
Lysosome. Membrane; Peripheral membrane protein

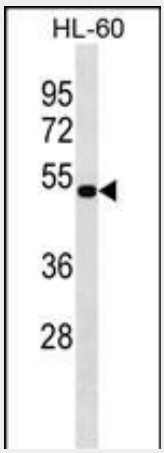
Tissue Location
Expressed in numerous tissues, with highest levels in liver and kidney, followed by pancreas

NAAA Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NAAA Antibody (C-term) - Images



NAAA Antibody (C-term) (Cat. #AP18542b) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the NAAA antibody detected the NAAA protein (arrow).

NAAA Antibody (C-term) - Background

This gene encodes an N-acylethanolamine-hydrolyzing enzyme which is highly similar to acid ceramidase. Multiple transcript variants encoding different isoforms have been found for this gene.

NAAA Antibody (C-term) - References

Wang, J., et al. J. Biochem. 144(5):685-690(2008)

Muller, T.D., et al. Child Adolesc Psychiatry Ment Health 2 (1), 33 (2008) :
Schulze, H., et al. Biol. Chem. 388(12):1333-1343(2007)
Zhao, L.Y., et al. Biochim. Biophys. Acta 1771(11):1397-1405(2007)
Oh, J.H., et al. Mamm. Genome 16(12):942-954(2005)