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ASAHL Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant NAAA.
Catalog # AT1208a

Product Information

Application	WB, IF, E
Primary Accession	Q02083
Other Accession	NM_014435
Reactivity	Human, Mouse
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	5E4
Calculated MW	40066

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	NAAA (NP_055250, 36 a.a. ~ 104 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	ASAHL Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

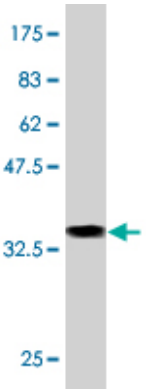
This gene encodes an N-acylethanolamine-hydrolyzing enzyme which is highly similar to acid ceramidase. Multiple transcript variants encoding different isoforms have been found for this gene.

References

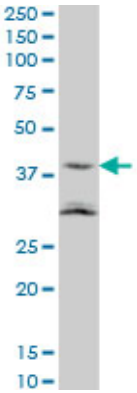
Lack of association of genetic variants in genes of the endocannabinoid system with anorexia nervosa.

M?ller TD, et al. Child Adolesc Psychiatry Ment Health, 2008 Nov 17. PMID 19014633.Expression and secretion of N-acylethanolamine-hydrolysing acid amidase in human prostate cancer cells. Wang J, et al. J Biochem, 2008 Nov. PMID 18806270.Overexpression and mass spectrometry analysis of mature human acid ceramidase. Schulze H, et al. Biol Chem, 2007 Dec. PMID 18020949.Proteolytic activation and glycosylation of N-acylethanolamine-hydrolyzing acid amidase, a lysosomal enzyme involved in the endocannabinoid metabolism. Zhao LY, et al. Biochim Biophys Acta, 2007 Nov. PMID 17980170.Transcriptome analysis of human gastric cancer. Oh JH, et al. Mamm Genome, 2005 Dec. PMID 16341674.

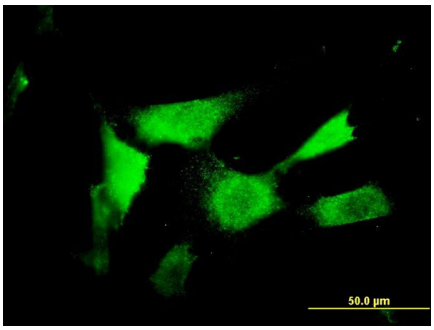
Images



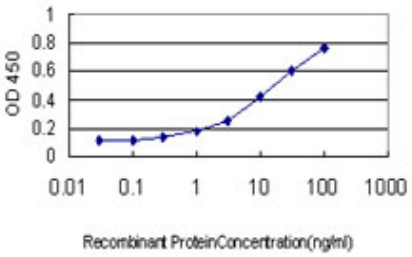
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (33.33 KDa) .



NAAA monoclonal antibody (M01), clone 5E3 Western Blot analysis of ASAHL expression in NIH/3T3 ((Cat # AT1208a)



Immunofluorescence of monoclonal antibody to NAAA on NIH/3T3 cell. [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged NAAA is approximately 0.3ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.