

**FAAH Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP17046B****Specification**

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**FAAH Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O00519</a>
Other Accession	<a href="#">NP_001432.2</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	63066
Antigen Region	501-529

**FAAH Antibody (C-term) - Additional Information****Gene ID** 2166**Other Names**

Fatty-acid amide hydrolase 1, Anandamide amidohydrolase 1, Oleamide hydrolase 1, FAAH, FAAH1

**Target/Specificity**

This FAAH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 501-529 amino acids from the C-terminal region of human FAAH.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**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**

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

**FAAH Antibody (C-term) - Protein Information****Name** FAAH**Synonyms** FAAH1

**Function** Catalyzes the hydrolysis of endogenous amidated lipids like the sleep-inducing lipid oleamide ((9Z)-octadecenamide), the endocannabinoid anandamide (N-(5Z,8Z,11Z,14Z-eicosatetraenoyl)- ethanolamine), as well as other fatty amides, to their corresponding fatty acids, thereby regulating the signaling functions of these molecules (PubMed:[17015445](#), PubMed:[19926788](#), PubMed:[9122178](#)). Hydrolyzes polyunsaturated substrate anandamide preferentially as compared to monounsaturated substrates (PubMed:[17015445](#), PubMed:[9122178](#)). It can also catalyze the hydrolysis of the endocannabinoid 2-arachidonoylglycerol (2-(5Z,8Z,11Z,14Z- eicosatetraenoyl)-glycerol) (PubMed:[21049984](#)). FAAH cooperates with PM20D1 in the hydrolysis of amino acid-conjugated fatty acids such as N-fatty acyl glycine and N-fatty acyl-L-serine, thereby acting as a physiological regulator of specific subsets of intracellular, but not of extracellular, N-fatty acyl amino acids (By similarity).

#### Cellular Location

Endomembrane system; Single-pass membrane protein. Cytoplasm, cytoskeleton. Note=Seems to be attached to intracellular membranes and a portion of the cytoskeletal network

#### Tissue Location

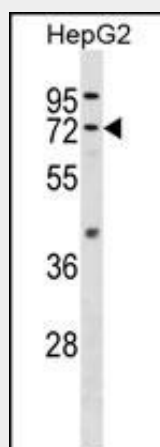
Highly expressed in the brain, small intestine, pancreas, skeletal muscle and testis. Also expressed in the kidney, liver, lung, placenta and prostate.

#### FAAH 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 Cytometry](#)
- [Cell Culture](#)

#### FAAH Antibody (C-term) - Images



FAAH Antibody (C-term) (Cat. #AP17046b) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the FAAH antibody detected the FAAH protein (arrow).

#### FAAH Antibody (C-term) - Background

This gene encodes a protein that is responsible for the hydrolysis of a number of primary and secondary fatty acid amides, including the neuromodulatory compounds anandamide and oleamide.

**FAAH Antibody (C-term) - References**

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)  
de Luis, D.A., et al. Metab. Clin. Exp. (2010) In press :  
Monteleone, P., et al. J Clin Psychopharmacol 30(4):441-445(2010)  
Taylor, A.H., et al. Histochem. Cell Biol. 133(5):557-565(2010)  
Thors, L., et al. PLoS ONE 5 (8), E12275 (2010) :