

**FAAH Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP18148a****Specification**

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**FAAH Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [O00519](#)**FAAH Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 2166**Other Names**

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

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**FAAH Antibody (N-term) Blocking Peptide - 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:<a href="http://www.uniprot.org/citations/9122178" target="\_blank">9122178</a>, PubMed:<a href="http://www.uniprot.org/citations/17015445" target="\_blank">17015445</a>, PubMed:<a href="http://www.uniprot.org/citations/19926788" target="\_blank">19926788</a>). Hydrolyzes polyunsaturated substrate anandamide preferentially as compared to monounsaturated substrates (PubMed:<a href="http://www.uniprot.org/citations/9122178" target="\_blank">9122178</a>, PubMed:<a href="http://www.uniprot.org/citations/17015445" target="\_blank">17015445</a>). It can also catalyze the hydrolysis of the endocannabinoid 2-arachidonoylglycerol (2-(5Z,8Z,11Z,14Z- eicosatetraenoyl)-glycerol) (PubMed:<a href="http://www.uniprot.org/citations/21049984" target="\_blank">21049984</a>). 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 (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**FAAH Antibody (N-term) Blocking Peptide - Images****FAAH Antibody (N-term) Blocking Peptide - 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 (N-term) Blocking Peptide - 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) :