

FAAH Antibody (C-Terminus)
Goat Polyclonal Antibody
Catalog # ALS13180**Specification**

FAAH Antibody (C-Terminus) - Product Information

Application	IHC
Primary Accession	O00519
Reactivity	Human, Monkey
Host	Goat
Clonality	Polyclonal
Calculated MW	63kDa KDa

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

Fatty-acid amide hydrolase 1, 3.5.1.99, Anandamide amidohydrolase 1, Oleamide hydrolase 1, FAAH, FAAH1

Target/Specificity

Human FAAH.

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

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

FAAH Antibody (C-Terminus) - 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-eicosatetraenyl)-ethanolamine), as well as other fatty amides, to their corresponding fatty acids, thereby regulating the signaling functions of these molecules (PubMed:9122178, PubMed:17015445, PubMed:19926788). Hydrolyzes polyunsaturated substrate anandamide preferentially as compared to monounsaturated substrates (PubMed:9122178, PubMed:17015445).

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

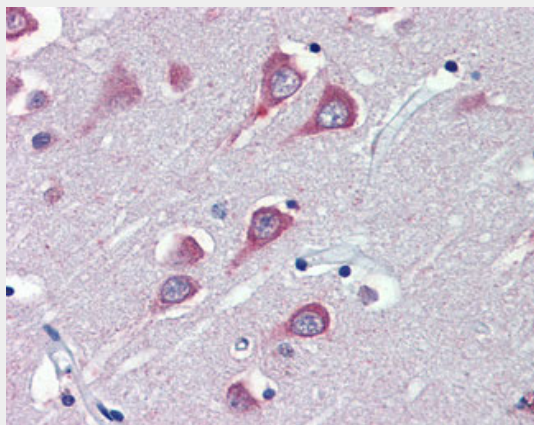
Highly expressed in the brain, small intestine, pancreas, skeletal muscle and testis. Also expressed in the kidney, liver, lung, placenta and prostate.

FAAH Antibody (C-Terminus) - Protocols

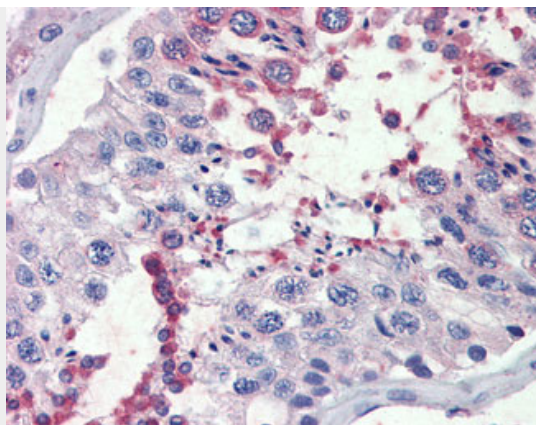
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

FAAH Antibody (C-Terminus) - Images



Anti-FAAH antibody IHC of human brain, cortex.



Anti-FAAH antibody IHC of human testis.

FAAH Antibody (C-Terminus) - Background

Degrades bioactive fatty acid amides like oleamide, the endogenous cannabinoid, anandamide and myristic amide to their corresponding acids, thereby serving to terminate the signaling functions of these molecules. Hydrolyzes polyunsaturated substrate anandamide preferentially as compared to monounsaturated substrates.

FAAH Antibody (C-Terminus) - References

- Giang D.K.,et al.Proc. Natl. Acad. Sci. U.S.A. 94:2238-2242(1997).
Wan M.,et al.Genomics 54:408-414(1998).
Gregory S.G.,et al.Nature 441:315-321(2006).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Gevaert K.,et al.Nat. Biotechnol. 21:566-569(2003).