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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-eicosatetraenoyl)-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

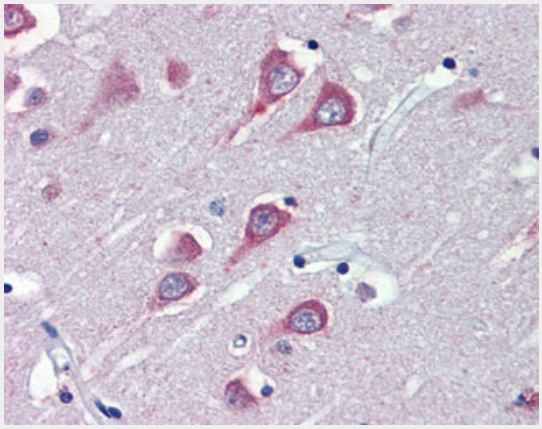
Tissue Location
Highly expressed in the brain, small intestine, pancreas, skeletal muscle and testis. Also expressed in the kidney, liver, lung, placenta and prostate.

FAAH Antibody (C-Terminus) - Protocols

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

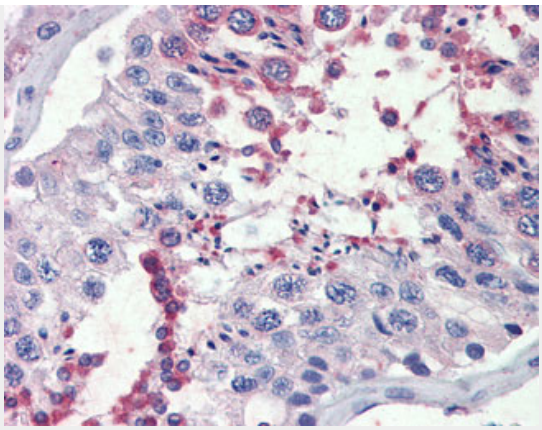
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

FAAH Antibody (C-Terminus) - Images



Anti-FAAH antibody IHC of human brain, cortex.

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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).