

Anti-FAAH Antibody

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS18579

Product Information

Application	WB, IHC-P
Primary Accession	O00519
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	63066

Additional Information

Gene ID	2166
Alias Symbol	FAAH
Other Names	FAAH, Anandamide amidohydrolase 1, FAAH1, Fatty acid amide hydrolase, Fatty-acid amide hydrolase 1, FAAH-1, Oleamide hydrolase 1
Target/Specificity	Human FAAH
Reconstitution & Storage	Affinity purified
Precautions	Anti-FAAH Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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.

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