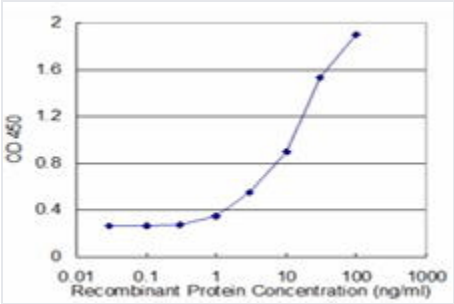
FAAH Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	FAAH, Monoclonal Antibody
Full Product Name	FAAH (Fatty Acid Amide Hydrolase, FAAH-1, MGC102823, MGC138146) (APC)
Product Gene Name	anti-FAAH antibody
Product Synonym Names	Fatty Acid Amide Hydrolase; FAAH-1; MGC102823; MGC138146
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	5F9
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified
Specificity	Recognizes FAAH.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	63,066 Da
OMIM	gene 606581
3D Structure	ModBase 3D Structure for O00519
Immunogen	FAAH (NP_001432, 480aa-579aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	DLNAPGRATGAVSYTMLYNCLDFPAGVVPVTTVTAEDEAQMEHYRGYFGDIWDKMLQKGMKKSVGLPVAVQCVALPWQEELCLRFMREVERLMTPEK
Conjugate	APC
Product Categories/Family for anti-FAAH antibody	Antibodies; Enzymes
Applications Tested/Suitable for anti-FAAH antibody	Western Blot (WB)
Application Notes for anti-FAAH antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-FAAH antibody	This gene encodes a protein that is responsible for the hydrolysis of a number of primary and secondary fatty acid amides, including the neuromodulato compounds anandamide and oleamide. [provided by RefSeq]

Other Notes	Small volumes of anti-FAAH antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necess briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for FAAH purchase	MBS6168674 is an antibody targeting FAAH. Also known as FAAH (Fatty Acid Amide Hydrolase, FAAH-1, MGC102823, MGC138146) (APC). Host: Mouse.



Testing Data of anti-FAAH antibody
Detection limit for recombinant GST tagged FAAH is approximately 1ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FAAH. It may not necessarily be applicable to this product.

NCBI GI #	166795287
NCBI GeneID	2166
NCBI Accession #	NP_001432
UniProt Primary Accession #	O00519
UniProt Secondary Accession #	Q52M86; Q5TDF8; D3DQ19
UniProt Related Accession #	O00519
GenBank Nucleotide #	NM_001441
NCBI Official Full Name	fatty-acid amide hydrolase 1
NCBI Official Synonym Full Names	fatty acid amide hydrolase
NCBI Official Symbol	FAAH
NCBI Official Synonym Symbols	PSAB; FAAH-1
UniProt Protein Name	Fatty-acid amide hydrolase 1
UniProt Synonym Protein Names	Anandamide amidohydrolase 1; Oleamide hydrolase 1
Protein Family	Fatty acid amide hydrolase
UniProt Gene Name	FAAH
UniProt Synonym Gene Names	FAAH1
UniProt Entry Name	FAAH1_HUMAN
NCBI Protein Information	fatty-acid amide hydrolase 1; anandamide amidohydrolase 1; oleamide hydrolase 1

UniProt Comments for FAAH	FAAH: 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. Homodimer. Highly expressed in the brain, small intestine, pancreas, skeletal muscle and testis. Also expressed in the kidney, liver, lung, placenta and prostate. Inhibited by O-aryl carbamates and alpha-keto heterocytes. Belongs to the amidase family. Protein type: EC 3.5.1.99; Membrane protein, integral; Hydrolase Chromosomal Location of Human Ortholog: 1p35-p34 Cellular Component: cytoskeleton; cytoplasm; integral to membrane; endomembrane system Molecular Function: fatty acid amide hydrolase activity; carbon-nitrogen ligase activity, with glutamine as amido-N-donor; acylglycerol lipase activity Biological Process: fatty acid catabolic process Disease: Polysubstance Abuse, Susceptibility To
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