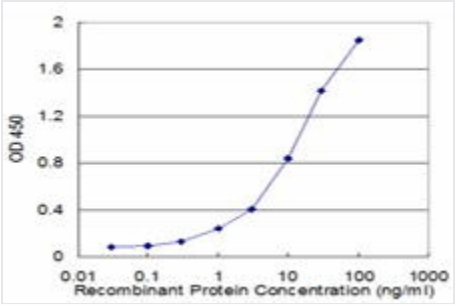
# FAAH Antibody – Mouse Monoclonal

## PRODUCT OVERVIEW

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| **Product Name** | FAAH, Monoclonal Antibody |
| **Full Product Name** | FAAH (Fatty Acid Amide Hydrolase, FAAH-1, MGC102823, MGC138146) (PE) |
| **Product Gene Name** | anti-FAAH antibody |
| **Product Synonym Names** | Fatty Acid Amide Hydrolase; FAAH-1; MGC102823; MGC138146 |
| **Clonality** | Monoclonal |
| **Isotype** | IgG1,k |
| **Clone Number** | 3G1 |
| **Host** | Mouse |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE). |
| **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: PE conjugates are sensitive to light. For maximum recovery of proc 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** | PE |
| **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] |

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| **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** | MBS6186385 is an antibody targeting FAAH. Also known as FAAH (Fatty Acid Amide Hydrolase, FAAH-1, MGC102823, MGC138146) (PE). Host: Mou |




**Testing Data of anti-FAAH antibody**
Detection limit for recombinant GST tagged FAAH is approximately 0.3ng/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.

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| **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 |

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| **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.<br><br>Protein type: EC 3.5.1.99; Membrane protein, integral; Hydrolase<br><br>Chromosomal Location of Human Ortholog: 1p35-p34<br><br>Cellular Component: cytoskeleton; cytoplasm; integral to membrane; endomembrane system<br><br>Molecular Function: fatty acid amide hydrolase activity; carbon-nitrogen ligase activity, with glutamine as amido-N-donor; acylglycerol lipase activity<br><br>Biological Process: fatty acid catabolic process<br><br>Disease: Polysubstance Abuse, Susceptibility To |
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