

Rabbit FAAH Polyclonal Antibody | anti-FAAH antibody

FAAH Antibody

CATALOG # AAA326087	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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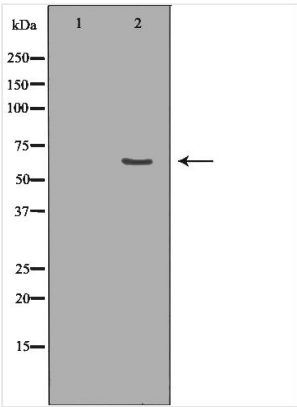
PRODUCT SYNONYMS

FAAH; Polyclonal Antibody; FAAH Antibody; Anandamide amidohydrolase 1; Anandamide amidohydrolase; FA2H; FAAH-1; FAAH1_HUMAN; Fatty acid 2-hydroxylase; Fatty acid alpha-hydroxylase; Fatty acid amide hydrolase; Fatty-acid amide hydrolase 1; MGC102823; MGC138146; Oleamide hydrolase 1; Oleamide hydrolase; anti-FAAH antibody

PRODUCT SPECIFICATIONS

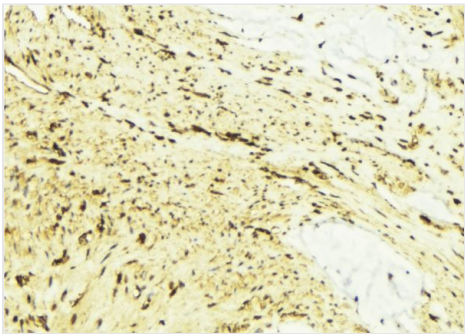
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	FAAH antibody detects endogenous levels of total FAAH
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	579
Applicable Applications for anti-FAAH antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human FAAH
Subcellular Location	Endomembrane System. Cytoplasm > Cytoskeleton. Seems to be attached to intracellular membranes and a portion of the cytoskeletal network.
Tissue Specificity	Highly expressed in the brain, small intestine, pancreas, skeletal muscle and testis. Also expressed in the kidney, liver, lung, placenta and prostate.
Predicted Cross Reactivity	Pig, Horse, Rabbit, Dog
Similarity	Pig (88%), Horse (100%), Rabbit (100%), Dog (89%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of Mouse brain lysate, using FAAH Antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA326087 at 1/100 staining Mouse muscle tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-FAAH antibody

Description: Endogenous cannabinoids have been implicated in addictive behaviors and drug abuse (1). Fatty-acid amide hydrolase 1 (FAAH1) is a plasma membrane-bound hydrolase that converts oleamide to oleic acid (2). This hydrolase also converts the cannabinoid anandamide, the endogenous ligand for the CB1 cannabinoid receptor, to arachidonic acid, suggesting a role in fatty-acid amide inactivation (2). Mice lacking FAAH1 have significantly higher levels of anandamide in the brain and show decreased sensitivity to pain, further indicating a role for FAAH1 in the regulation of endocannabinoid signaling in vivo (3). FAAH1 null mice also demonstrate an increased preference for alcohol and an increased voluntary uptake of alcohol as compared to wild-type mice, indicating a role of FAAH1 in modulating addictive behaviors (1).

Function: 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.

Subunit Structure: Homodimer.

Similarity: Belongs to the amidase family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	166795287
NCBI GeneID	2166
NCBI Accession #	NP_001432.2
NCBI GenBank Nucleotide #	NM_001441.2
UniProt Accession #	O00519; Q52M86; Q5TDF8; D3DQ19
Molecular Weight	Observed: 63 kDa Predicted: 64 kDa
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
NCBI Protein Information	fatty-acid amide hydrolase 1
UniProt Protein Name	Fatty-acid amide hydrolase 1
UniProt Gene Name	FAAH
UniProt Synonym Gene Names	FAAH1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/faah-antibody-immunohistochemistry-western-blot-elisa/326087>