

FAAH2 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5150b**Specification**

FAAH2 Antibody (C-term) - Product Information

Application	FC, IHC-P, WB,E
Primary Accession	Q6GMR7
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	58304
Antigen Region	409-438

FAAH2 Antibody (C-term) - Additional Information**Gene ID** 158584**Other Names**

Fatty-acid amide hydrolase 2, Amidase domain-containing protein, Anandamide amidohydrolase 2, Oleamide hydrolase 2, FAAH2, AMDD

Target/Specificity

This FAAH2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 409-438 amino acids from the C-terminal region of human FAAH2.

Dilution

FC~~1:10~50

IHC-P~~1:50~100

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

FAAH2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

FAAH2 Antibody (C-term) - Protein Information**Name** FAAH2

Synonyms AMDD

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](#)). Hydrolyzes monounsaturated substrate anandamide preferentially as compared to polyunsaturated substrates.

Cellular Location

Membrane; Single- pass membrane protein. Lipid droplet

Tissue Location

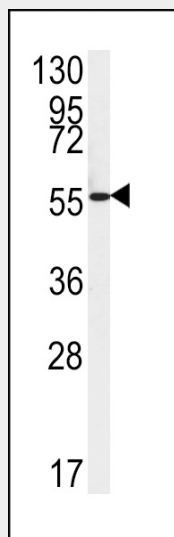
Expressed in kidney, liver, lung, prostate, heart and ovary.

FAAH2 Antibody (C-term) - Protocols

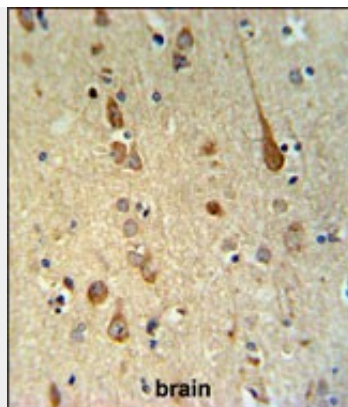
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

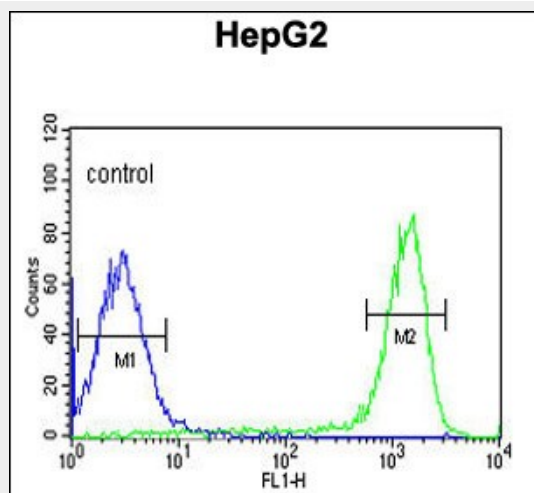
FAAH2 Antibody (C-term) - Images



Western blot analysis of FAAH2 Antibody (C-term) (Cat. #AP5150b) in HepG2 cell line lysates (35ug/lane).FAAH2 (arrow) was detected using the purified Pab.



FAAH2 Antibody (C-term) (Cat. #AP5150b) IHC analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the FAAH2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



FAAH2 Antibody (C-term) (Cat. #AP5150b) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

FAAH2 Antibody (C-term) - Background

FAAH2 encodes a fatty acid amide hydrolase that shares a conserved protein motif with the amidase signature family of enzymes. The encoded enzyme is able to catalyze the hydrolysis of a broad range of bioactive lipids, including those from the three main classes of fatty acid amides; N-acyl ethanolamines, fatty acid primary amides and N-acyl amino acids. This enzyme has a preference for monounsaturated acyl chains as a substrate.

FAAH2 Antibody (C-term) - References

Kaczocha, M., et al. J. Biol. Chem. 285(4):2796-2806(2010)
Karbarz, M.J., et al. Anesth. Analg. 108(1):316-329(2009)
Wei, B.Q., et al. J. Biol. Chem. 281(48):36569-36578(2006)