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FAAH2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5150b

Specification

FAAH2 Antibody (C-term) - Product Information

Application	**WB, IHC-P, FC,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
WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

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

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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

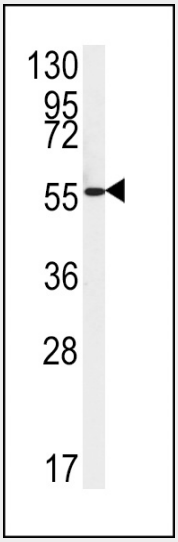
Tissue Location
Expressed in kidney, liver, lung, prostate, heart and ovary.

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 Cytomety
- 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.

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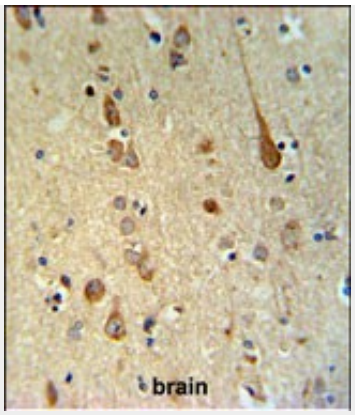
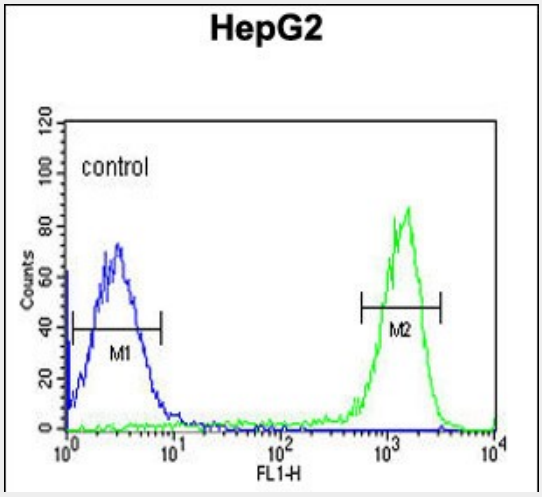


FAAH2 Antibody (C-term) (Cat. #AP5150b) IHC analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the FAAH2 Antibody (C-term) for immunohistochemistry. Clinical relevance has 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-acylethanolamines, 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)