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FAAH2 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP5150b

Specification

FAAH2 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q6GMR7

FAAH2 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 158584

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

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

FAAH2 Antibody (C-term) Blocking Peptide - 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.

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FAAH2 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

FAAH2 Antibody (C-term) Blocking Peptide - Images

FAAH2 Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - 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)