



FAAH mouse mAb

Catalog No	YP-mAb-18243
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	FAAH FAAH1
Immunogen	Synthesized peptide derived from human FAAH
Specificity	This antibody detects endogenous levels of FAAH at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Anandamide amidohydrolase 1;FAAH;FAAH 1;FAAH1;fatty acid amide hydrolase;Fatty acid amide hydrolase 1;Oleamide hydrolase 1;FAAH FAAH1; Fatty-acid amide hydrolase 1 (EC 3.5.1.99) (Anandamide amidohydrolase 1) (Oleamide hydrolase 1)
Observed Band	55-65 kDa
Calculated Molecular Weight	579 aa, 63 kDa
Cell Pathway	Endomembrane system ; Single-pass membrane protein . 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.
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 . Hydrolyzes polyunsaturated substrate anandamide preferentially as compared to monounsaturated substrates . It can also catalyze the hydrolysis of the endocannabinoid 2-arachidonoylglycerol (2-(5Z,8Z,11Z,14Z-



eicosatetraenoyl)-glycerol) . FAAH cooperates with PM20D1 in the hydrolysis of amino acid-conjugated fatty acids such as N-fatty acyl glycine and N-fatty acyl-L-serine, thereby acting as a physiological regulator of specific subsets of intracellular, but not of extracellular, N-fatty acyl amino acids (By similarity).

Background

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images