

FAAH Antibody

Catalog No: #32203

Package Size: #32203-1 50ul #32203-2 100ul

Orders: order@signalwayantibody.com

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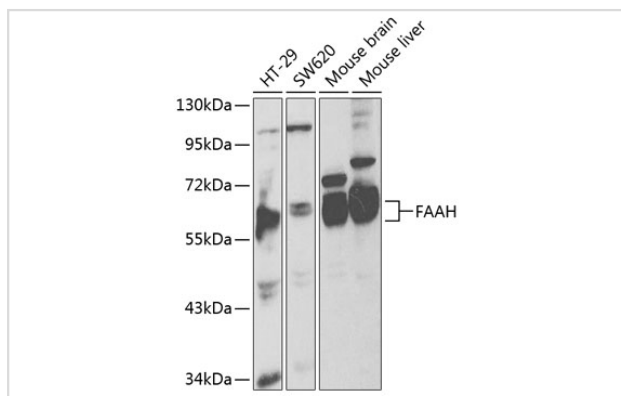
Description

Product Name	FAAH Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB
Species Reactivity	Human,Mouse
Specificity	The antibody detects endogenous level of total FAAH protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human FAAH.
Target Name	FAAH
Other Names	FAAH; FAAH1; MGC102823; MGC138146;
Accession No.	Swiss-Prot:O00519NCBI Gene ID:2166
Uniprot	O00519
GeneID	2166;
SDS-PAGE MW	63KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

WB □ 1:500 - 1:2000

Images



Western blot analysis of extracts of various cell lines, using FAAH at 1:1000 dilution.

Background

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).

Note: This product is for in vitro research use only