FAAH Conjugated Antibody

Catalog No: #C32203

Package Size: #C32203-AF350 100ul #C32203-AF405 100ul #C32203-AF488 100ul #C32203-AF555 100ul #C32203-AF594 100ul #C32203-AF647 100ul #C32203-AF680 100ul #C32203-AF750 100ul #C32203-Biotin 100ul

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Description

Product Name	FAAH Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total FAAH protein.
Immunogen Description	Recombinant protein of human FAAH.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	FAAH;FAAH1;MGC102823;MGC138146
Accession No.	Swiss-Prot#:O00519NCBI Gene ID:2166
Uniprot	O00519
GeneID	2166;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	63
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Product Description

Antibodies were purified by affinity purification using immunogen.

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