

Product datasheet

Anti-FAAH1 antibody [4H8] ab54615

★★★★★ [6 Abreviews](#) [27 References](#) [5 Images](#)

Overview

Product name	Anti-FAAH1 antibody [4H8]
Description	Mouse monoclonal [4H8] to FAAH1
Host species	Mouse
Tested applications	Suitable for: WB, ICC/IF, IP, IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant fragment corresponding to Human FAAH1 aa 480-579. Sequence: DLNAPGRATGAVSYTMLYNCLDFPAGVVPVTTVTAEDEA QMEHYRGYFGD WDKMLQKGMKKS VGLPVAVQCVALPWQEELCLRFMRE VERLMTPEKQSS

 [Run BLAST with](#)

 [Run BLAST with](#)

General notes

This product was changed from ascites to tissue culture supernatant on 17/04/2019. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.40 Constituents: 8% Sodium chloride, 0.6% Dibasic monohydrogen sodium phosphate, 0.2% Monobasic dihydrogen potassium phosphate, 0.2% Potassium chloride, 91% Water

Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	4H8
Isotype	IgG2a
Light chain type	kappa

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab54615 in the following tested applications.

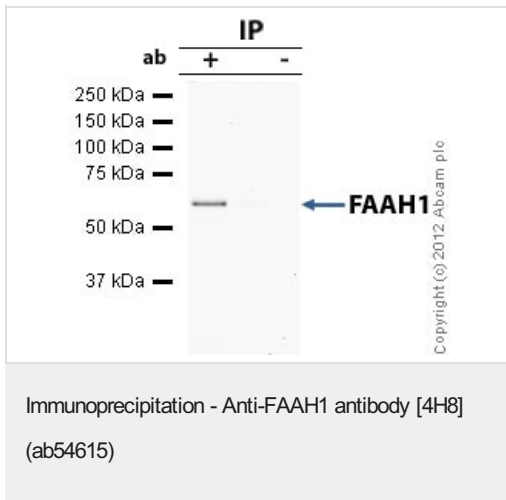
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (2)	Use at an assay dependent concentration. Predicted molecular weight: 63 kDa.
ICC/IF		Use at an assay dependent concentration. PubMed: 24223930
IP		Use at an assay dependent concentration.
IHC-P	★★★★★ (3)	Use at an assay dependent concentration. See Abreview.

Target

Function	Degrades bioactive fatty acid amides like oleamide, the endogenous cannabinoid, anandamide and myristic amide to their corresponding acids, thereby serving to terminate the signaling functions of these molecules. Hydrolyzes polyunsaturated substrate anandamide preferentially as compared to monounsaturated substrates.
Tissue specificity	Highly expressed in the brain, small intestine, pancreas, skeletal muscle and testis. Also expressed in the kidney, liver, lung, placenta and prostate.
Sequence similarities	Belongs to the amidase family.
Cellular localization	Endomembrane system. Cytoplasm > cytoskeleton. Seems to be attached to intracellular membranes and a portion of the cytoskeletal network.

Images



FAAH1 was immunoprecipitated using 0.5mg Mouse Liver whole tissue extract, 5µg of Mouse monoclonal to FAAH1 and 50µl of protein G magnetic beads (+). No antibody was added to the control (-).

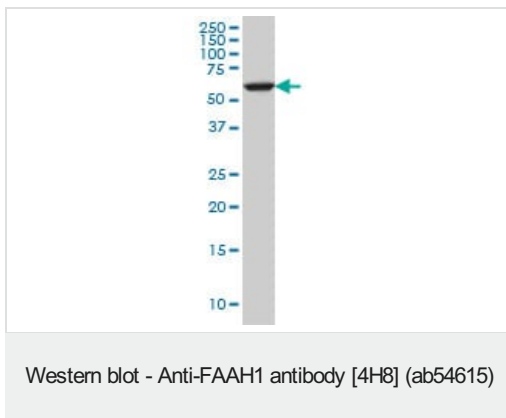
The antibody was incubated under agitation with Protein G beads for 10min, Mouse Liver whole tissue extract lysate diluted in RIPA buffer was added to each sample and incubated for a further 10min under agitation.

Proteins were eluted by addition of 40µl SDS loading buffer and incubated for 10min at 70°C; 10µl of each sample was separated on a SDS PAGE gel, transferred to a nitrocellulose membrane, blocked with 5% BSA and probed with ab54615.

Secondary: Goat polyclonal to mouse IgG light chain specific (HRP) at 1/5000 dilution.

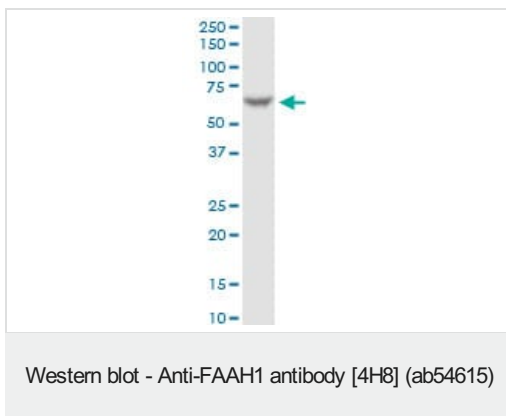
Band: 63kDa: FAAH1.

This image was generated using the ascites version of the product.



FAAH antibody (ab54615) at 1µg/lane + A-431 cell lysate at 25µg/lane.

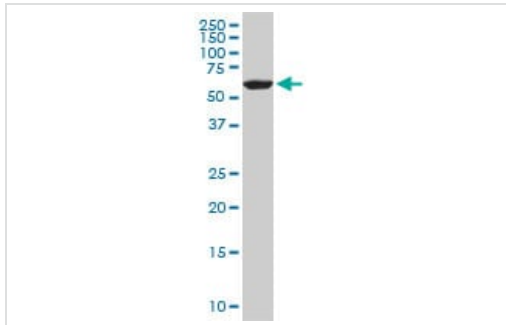
This image was generated using the ascites version of the product.



Anti-FAAH1 antibody [4H8] (ab54615) + Rat Brain

Predicted band size: 63 kDa

This image was generated using the ascites version of the product.

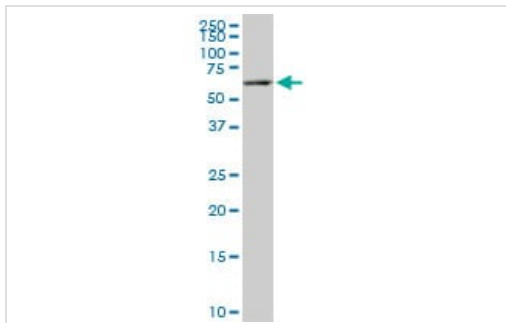


Western blot - Anti-FAAH1 antibody [4H8] (ab54615)

Anti-FAAH1 antibody [4H8] (ab54615) + PC-12

Predicted band size: 63 kDa

This image was generated using the ascites version of the product.



Western blot - Anti-FAAH1 antibody [4H8] (ab54615)

Anti-FAAH1 antibody [4H8] (ab54615) + NIH/3T3

Predicted band size: 63 kDa

This image was generated using the ascites version of the product.

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