


## Product datasheet

### Anti-FAAH1 antibody [EPR7549] ab128917

Recombinant **RabMAb**

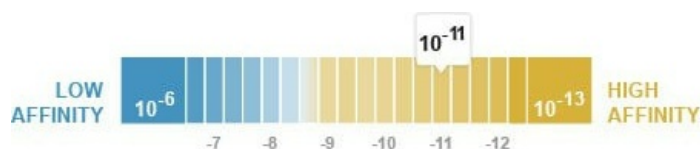
[5 References](#) [5 Images](#)

#### Overview

<b>Product name</b>	Anti-FAAH1 antibody [EPR7549]
<b>Description</b>	Rabbit monoclonal [EPR7549] to FAAH1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P <b>Unsuitable for:</b> Flow Cyt, ICC/IF or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse 
<b>Immunogen</b>	Synthetic peptide within Human FAAH1 aa 500-600. The exact sequence is proprietary.
<b>Positive control</b>	Human testis, JAR and A431 cell lysates; Human brain and kidney tissues.
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p> <p>Rat: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
<b>Dissociation constant (K<sub>D</sub>)</b>	K <sub>D</sub> = 6.40 x 10 <sup>-11</sup> M



**Learn more about K<sub>D</sub>**

<b>Storage buffer</b>	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR7549
<b>Isotype</b>	IgG

**Applications**

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab128917 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

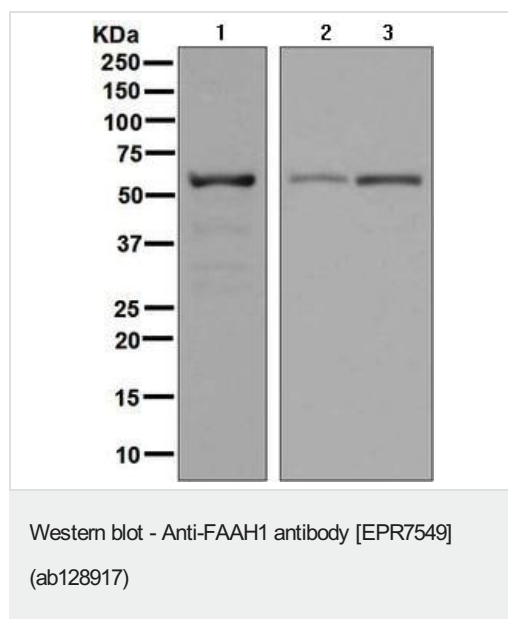
Application	Abreviews	Notes
<b>WB</b>		1/1000 - 1/10000. Detects a band of approximately 63 kDa (predicted molecular weight: 63 kDa).
<b>IHC-P</b>		1/250 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Antigen retrieval is highly recommended.

**Application notes** Is unsuitable for Flow Cyt, ICC/IF or IP.

**Target**

<b>Function</b>	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.
<b>Tissue specificity</b>	Highly expressed in the brain, small intestine, pancreas, skeletal muscle and testis. Also expressed in the kidney, liver, lung, placenta and prostate.
<b>Sequence similarities</b>	Belongs to the amidase family.
<b>Cellular localization</b>	Endomembrane system. Cytoplasm > cytoskeleton. Seems to be attached to intracellular membranes and a portion of the cytoskeletal network.

**Images**



**All lanes** : Anti-FAAH1 antibody [EPR7549] (ab128917) at 1/1000 dilution

**Lane 1** : Human testis lysate

**Lane 2** : JAR cell lysate

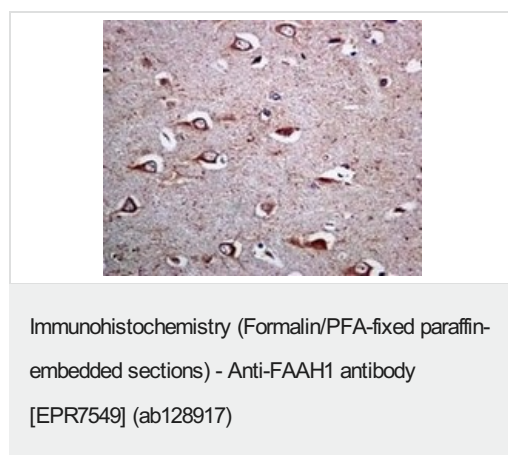
**Lane 3** : A431 cell lysate

Lysates/proteins at 10 µg per lane.

#### Secondary

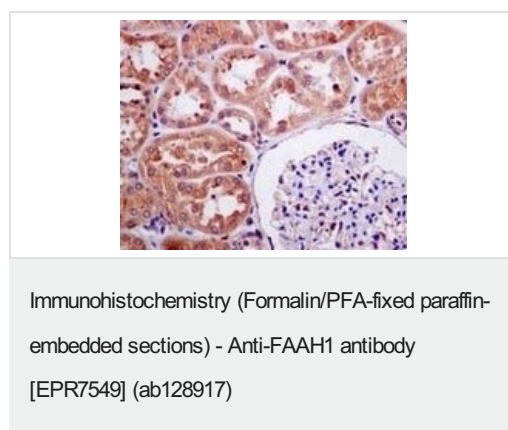
**All lanes** : Goat anti-rabbit HRP conjugated at 1/2000 dilution

**Predicted band size:** 63 kDa



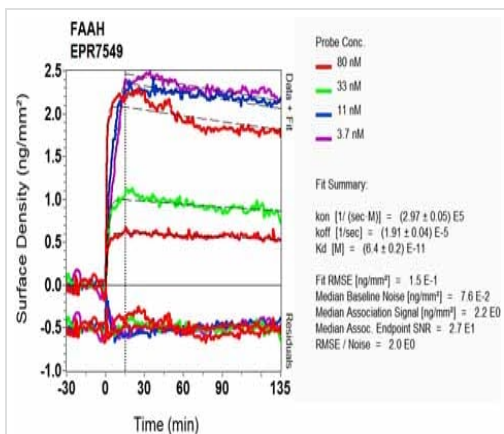
ab128917, at 1/250 dilution, staining FAAH1 in paraffin embedded Human brain tissue by Immunohistochemistry.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



ab128917, at 1/250 dilution, staining FAAH1 in paraffin embedded Human kidney tissue by Immunohistochemistry.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



SPR Scanning - Anti-FAAH1 antibody [EPR7549]  
(ab128917)

Equilibrium dissociation constant ( $K_D$ )

Learn more about  $K_D$

[Click here to learn more about  \$K\_D\$](#)

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-FAAH1 antibody [EPR7549] (ab128917)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

## Terms and conditions

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors