

**FAAH1 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP58281****Specification****FAAH1 Polyclonal Antibody - Product Information**

|                   |                              |
|-------------------|------------------------------|
| Application       | WB, IHC-P, IHC-F, IF, ICC, E |
| Primary Accession | <a href="#">O00519</a>       |
| Reactivity        | Rat, Dog, Bovine             |
| Host              | Rabbit                       |
| Clonality         | Polyclonal                   |
| Calculated MW     | 63066                        |

**FAAH1 Polyclonal Antibody - Additional Information****Gene ID** 2166**Other Names**

Fatty-acid amide hydrolase 1, 3.5.1.99, Anandamide amidohydrolase 1, Fatty acid ester hydrolase, 3.1.1.-, Oleamide hydrolase 1, FAAH, FAAH1

**Dilution**

<span class = "dilution\_WB">WB~~1:1000</span><br \><span class = "dilution\_IHC-P">IHC-P~~N/A</span><br \><span class = "dilution\_IHC-F">IHC-F~~N/A</span><br \><span class = "dilution\_IF">IF~~1:50~200</span><br \><span class = "dilution\_ICC">ICC~~N/A</span><br \><span class = "dilution\_E">E~~N/A</span>

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**FAAH1 Polyclonal Antibody - Protein Information****Name** FAAH**Synonyms** FAAH1**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 (PubMed:<a href="http://www.uniprot.org/citations/17015445" target="\_blank">17015445</a>, PubMed:<a href="http://www.uniprot.org/citations/19926788" target="\_blank">19926788</a>, PubMed:<a

href="http://www.uniprot.org/citations/9122178" target="\_blank">9122178</a>). Hydrolyzes polyunsaturated substrate anandamide preferentially as compared to monounsaturated substrates (PubMed:<a href="http://www.uniprot.org/citations/17015445" target="\_blank">17015445</a>, PubMed:<a href="http://www.uniprot.org/citations/9122178" target="\_blank">9122178</a>). It can also catalyze the hydrolysis of the endocannabinoid 2-arachidonoylglycerol (2-(5Z,8Z,11Z,14Z-eicosatetraenyl)-glycerol) (PubMed:<a href="http://www.uniprot.org/citations/21049984" target="\_blank">21049984</a>). 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).

#### Cellular Location

Endomembrane system; Single-pass membrane protein. Cytoplasm, cytoskeleton. Note=Seems to be attached to intracellular membranes and a portion of the cytoskeletal network

#### Tissue Location

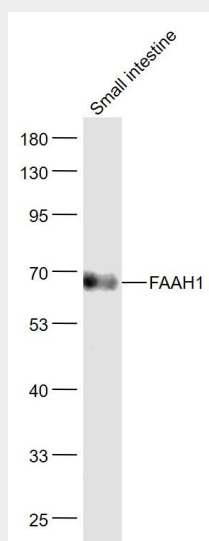
Highly expressed in the brain, small intestine, pancreas, skeletal muscle and testis. Also expressed in the kidney, liver, lung, placenta and prostate.

#### FAAH1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

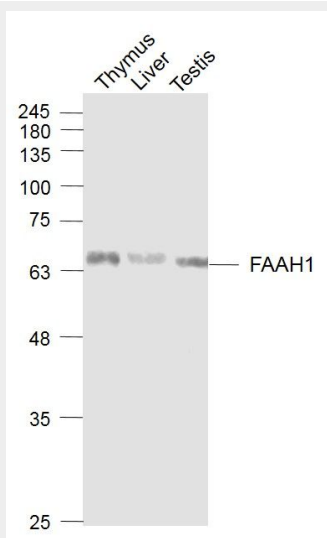
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### FAAH1 Polyclonal Antibody - Images



Sample:  
Small intestine (Mouse) Lysate at 40 ug  
Primary: Anti-FAAH1 (bs-5104R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 64 kD  
Observed band size: 64 kD



**Sample:**

Thymus (Mouse) Lysate at 40 ug

Liver (Mouse) Lysate at 40 ug

Testis (Mouse) Lysate at 40 ug

Primary: Anti- FAAH1 (bs-5104R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 64 kD

Observed band size: 64 kD