

Abhd12 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12525**Specification**

Abhd12 antibody - C-terminal region - Product Information

Application	WB
Primary Accession	O99LR1
Other Accession	NM_024465 , NP_077785
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted Host	Rabbit, Chicken, Horse, Guinea Pig, Dog
Clonality	Rabbit
Calculated MW	Polyclonal 45kDa KDa

Abhd12 antibody - C-terminal region - Additional Information**Gene ID** 76192**Alias Symbol** 1500011G07Rik, 6330583M11Rik, AI431047, AW547313, RP23-241M12.2**Other Names**

Monoacylglycerol lipase ABHD12, 3.1.1.23, 2-arachidonoylglycerol hydrolase, Abhydrolase domain-containing protein 12, Abhd12

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Abhd12 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

Abhd12 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Abhd12 antibody - C-terminal region - Protein Information**Name** Abhd12 {ECO:0000303|PubMed:23297193, ECO:0000312|MGI:MGI:1923442}**Function**

Lysophosphatidylserine (LPS) lipase that mediates the hydrolysis of lysophosphatidylserine, a class of signaling lipids that regulates immunological and neurological processes (PubMed:23297193, PubMed:25580854, PubMed:30420694). Represents a major lysophosphatidylserine lipase in the brain, thereby playing a key role in the central nervous

system (PubMed:23297193). Also able to hydrolyze oxidized phosphatidylserine; oxidized phosphatidylserine is produced in response to severe inflammatory stress and constitutes a proapoptotic 'eat me' signal (PubMed:30643283). Also has monoacylglycerol (MAG) lipase activity: hydrolyzes 2-arachidonoylglycerol (2-AG), thereby acting as a regulator of endocannabinoid signaling pathways (PubMed:18096503). Has a strong preference for very-long-chain lipid substrates; substrate specificity is likely due to improved catalysis and not improved substrate binding (PubMed:30237167).

Cellular Location

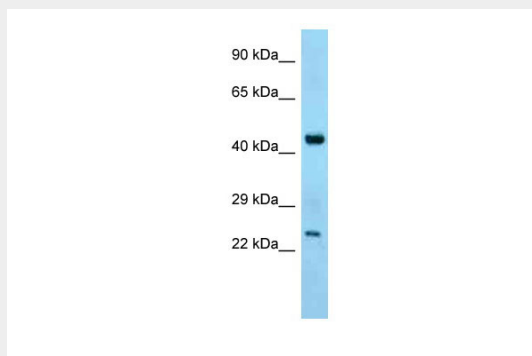
Endoplasmic reticulum membrane; Single-pass membrane protein. Mitochondrion

Abhd12 antibody - C-terminal region - 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](#)

Abhd12 antibody - C-terminal region - Images



WB Suggested Anti-Abhd12 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Thymus