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Abhd12 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI12525

Product Information

Application	WB
Primary Accession	Q99LR1
Other Accession	NM_024465, NP_077785
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Rabbit, Chicken, Dog, Guinea Pig, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45270

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.

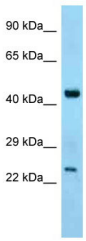
Protein Information

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, PubMed:33571455). Represents a major lysophosphatidylserine lipase in the brain, thereby playing a key role in the central nervous system (PubMed:23297193). Prefers as substrates lysophosphatidylserines having long and very long chain acyl chains (PubMed:33571455). 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

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.