

ABHD12 Antibody (aa231-280)
Rabbit Polyclonal Antibody
Catalog # ALS16648**Specification**

ABHD12 Antibody (aa231-280) - Product Information

Application	IHC, WB
Primary Accession	Q8N2K0
Other Accession	26090
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	45097

ABHD12 Antibody (aa231-280) - Additional Information**Gene ID** 26090**Other Names**

ABHD12, ABHD12A, BEM46L2, C20orf22, DKFZP434P106, PHARC, DJ965G21.2, Monoacylglycerol lipase ABHD12

Target/Specificity

ABHD12 Antibody detects endogenous levels of total ABHD12 protein.

Reconstitution & StoragePBS (without Mg²⁺, Ca²⁺), pH 7.4, 150 mM sodium chloride, 0.02% sodium azide, 50% glycerol.
Store at -20°C for up to one year.**Precautions**

ABHD12 Antibody (aa231-280) is for research use only and not for use in diagnostic or therapeutic procedures.

ABHD12 Antibody (aa231-280) - Protein Information**Name** ABHD12 {ECO:0000303|PubMed:20797687, ECO:0000312|HGNC:HGNC:15868}**Function**

Lysophosphatidylserine (LPS) lipase that mediates the hydrolysis of lysophosphatidylserine, a class of signaling lipids that regulates immunological and neurological processes (PubMed:25290914, PubMed:30237167, PubMed:30420694, PubMed:30720278, PubMed:30643283). Represents a major lysophosphatidylserine lipase in the brain, thereby playing a key role in the central nervous system (By similarity). 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:22969151, PubMed:24027063). 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

Volume

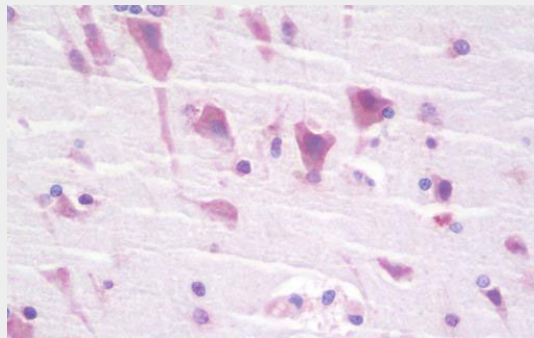
50 μ l

ABHD12 Antibody (aa231-280) - Protocols

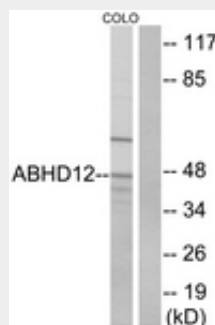
Provided below are standard protocols that you may find useful for product applications.

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

ABHD12 Antibody (aa231-280) - Images



Anti-ABHD12 antibody IHC staining of human brain, cerebellum.



Western blot of extracts from COLO cells, using ABHD12 Antibody.

ABHD12 Antibody (aa231-280) - Background

Lysophosphatidylserine (LPS) lipase, that plays a key role in the central nervous system. Represents a major LPS lipase in the brain. Has 2-arachidonoylglycerol (2-AG) hydrolase activity. May act as a regulator of endocannabinoid signaling pathways.

ABHD12 Antibody (aa231-280) - References

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Deloukas P.,et al.Nature 414:865-871(2001).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Fiskerstrand T.,et al.Am. J. Hum. Genet. 87:410-417(2010).