

ABHD12 Polyclonal Antibody
Catalog # AP68238**Specification****ABHD12 Polyclonal Antibody - Product Information**

Application	WB, IHC-P
Primary Accession	Q8N2K0
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

ABHD12 Polyclonal Antibody - Additional Information**Gene ID** 26090**Other Names**

ABHD12; C20orf22; Monoacylglycerol lipase ABHD12; 2-arachidonoylglycerol hydrolase; Abhydrolase domain-containing protein 12

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.

IHC-P~~N/A

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

ABHD12 Polyclonal Antibody - 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:30643283, PubMed:30720278). 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

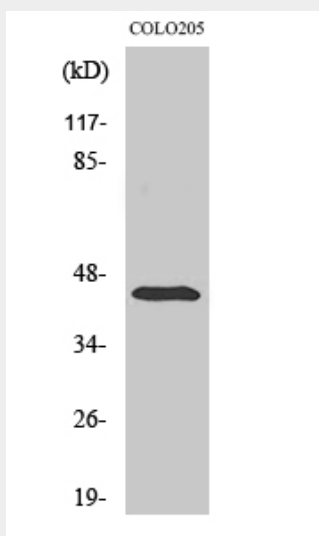
Endoplasmic reticulum membrane; Single-pass membrane protein

ABHD12 Polyclonal Antibody - Protocols

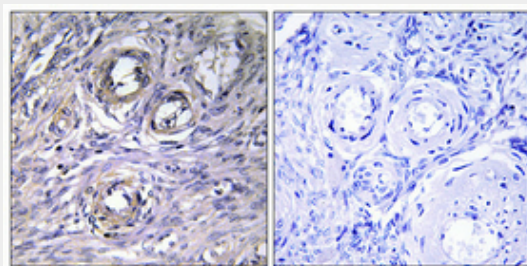
Provided below are standard protocols that you may find useful for product applications.

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

ABHD12 Polyclonal Antibody - Images



Western Blot analysis of various cells using ABHD12 Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Human ovary. Antibody was diluted at 1:100(4°,overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen

retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.

ABHD12 Polyclonal Antibody - Background

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