

ABHD2 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP13083c**Specification**

ABHD2 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [P08910](#)**ABHD2 Antibody (Center) Blocking peptide - Additional Information**

Gene ID 11057

Other Names

Abhydrolase domain-containing protein 2, 311-, Lung alpha/beta hydrolase 2, Protein PHPS1-2, ABHD2, LABH2

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ABHD2 Antibody (Center) Blocking peptide - Protein InformationName ABHD2 ([HGNC:18717](#))**Function**

Progesterone-dependent acylglycerol lipase that catalyzes hydrolysis of endocannabinoid arachidonoylglycerol (AG) from cell membrane (PubMed: [26989199](http://www.uniprot.org/citations/26989199)). Acts as a progesterone receptor: progesterone-binding activates the acylglycerol lipase activity, mediating degradation of 1-arachidonoylglycerol (1AG) and 2- arachidonoylglycerol (2AG) to glycerol and arachidonic acid (AA) (PubMed: [26989199](http://www.uniprot.org/citations/26989199)). Also displays an ester hydrolase activity against acetyl ester, butanoate ester and hexadecanoate ester (PubMed: [27247428](http://www.uniprot.org/citations/27247428)). Plays a key role in sperm capacitation in response to progesterone by mediating degradation of 2AG, an inhibitor of the sperm calcium channel CatSper, leading to calcium influx via CatSper and sperm activation (PubMed: [26989199](http://www.uniprot.org/citations/26989199)). May also play a role in smooth muscle cells migration (By similarity).

Cellular Location

Cell projection, cilium, flagellum membrane; Single-pass type II membrane protein. Cell

membrane; Single-pass type II membrane protein

Tissue Location

Present in sperm (at protein level).

ABHD2 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

ABHD2 Antibody (Center) Blocking peptide - Images**ABHD2 Antibody (Center) Blocking peptide - Background**

This gene encodes a protein containing an alpha/betahydrolase fold, which is a catalytic domain found in a very widerange of enzymes. The function of this protein has not beendetermined. Alternative splicing of this gene results in twotranscript variants encoding the same protein. [provided byRefSeq].

ABHD2 Antibody (Center) Blocking peptide - References

Giambra, V., et al. J. Immunol. 183(12):8280-8285(2009)Miyata, K., et al. Biochem. Biophys. Res. Commun. 365(2):207-213(2008)Edgar, A.J., et al. Biochem. Biophys. Res. Commun. 292(3):617-625(2002)Rapiejko, P.J., et al. Nucleic Acids Res. 16 (17), 8721 (1988) :