

ABHD2 Antibody (aa251-300)
Rabbit Polyclonal Antibody
Catalog # ALS16641**Specification**

ABHD2 Antibody (aa251-300) - Product Information

Application	IHC, IF, WB
Primary Accession	P08910
Other Accession	11057
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	48315

ABHD2 Antibody (aa251-300) - Additional Information**Gene ID** 11057**Other Names**

ABHD2, HS1-2, Lung alpha/beta hydrolase 2, PHPS1-2, LABH2, Protein PHPS1-2

Target/Specificity

ABHD2 Antibody detects endogenous levels of total ABHD2 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**

ABHD2 Antibody (aa251-300) is for research use only and not for use in diagnostic or therapeutic procedures.

ABHD2 Antibody (aa251-300) - Protein Information**Name** ABHD2 ([HGNC:18717](#))**Function**

Progesterone-dependent acylglycerol lipase that catalyzes hydrolysis of endocannabinoid arachidonoylglycerol (AG) from cell membrane (PubMed: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). Also displays an ester hydrolase activity against acetyl ester, butanoate ester and hexadecanoate ester (PubMed: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). 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).

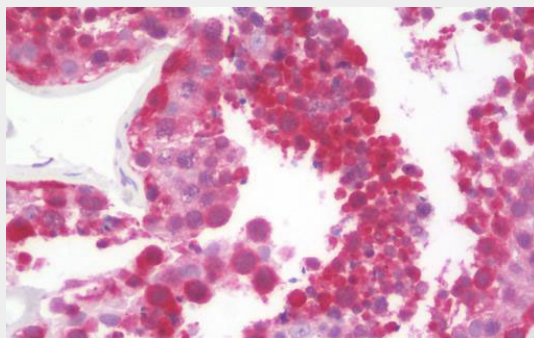
Volume

50 μ l

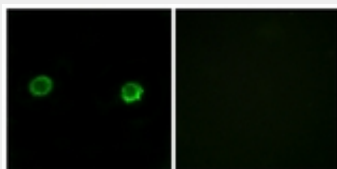
ABHD2 Antibody (aa251-300) - Protocols

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

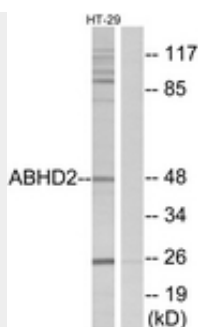
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ABHD2 Antibody (aa251-300) - Images

Anti-ABHD2 antibody IHC staining of human testis.



Immunofluorescence of MCF-7 cells, using ABHD2 Antibody.



Western blot of extracts from HT29 cells, using ABHD2 Antibody.

ABHD2 Antibody (aa251-300) - Background

May play a role in smooth muscle cells migration.

ABHD2 Antibody (aa251-300) - References

Rapiejko P.J., et al. Nucleic Acids Res. 16:8721-8721(1988).

Utleg A., et al. Submitted (SEP-2002) to the EMBL/GenBank/DDBJ databases.

Suzuki Y., et al. Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.