

ABHD2 Polyclonal Antibody
Catalog # AP68242**Specification****ABHD2 Polyclonal Antibody - Product Information**

Application	WB, IF
Primary Accession	P08910
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal

ABHD2 Polyclonal Antibody - Additional Information**Gene ID** 11057**Other Names**

ABHD2; LABH2; Abhydrolase domain-containing protein 2; Lung alpha/beta hydrolase 2; Protein PPHS1-2

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.

IF~~1:50~200

Format

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

Storage Conditions

-20°C

ABHD2 Polyclonal Antibody - 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

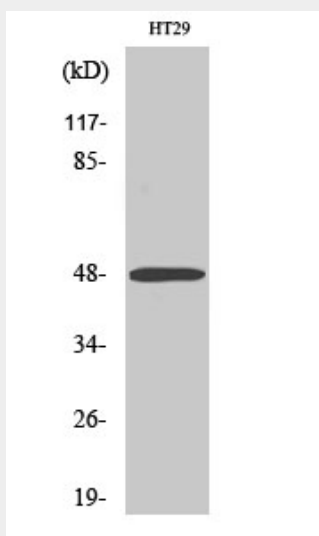
Tissue Location

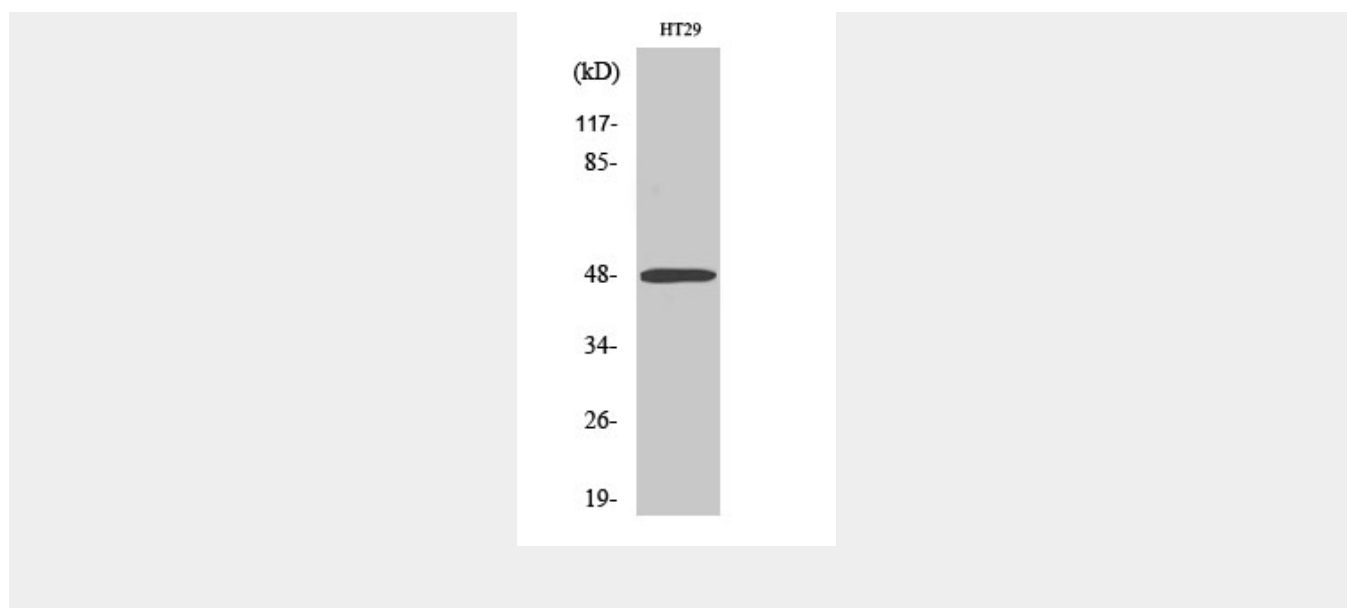
Present in sperm (at protein level).

ABHD2 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](#)

ABHD2 Polyclonal Antibody - Images



ABHD2 Polyclonal Antibody - Background

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