



PRODUCT DATA SHEET

Bioworld Technology, Inc.

ABHD2 polyclonal antibody

Catalog: BS35332

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

Monoacylglycerol lipase ABHD2: Progesterone-dependent acylglycerol lipase that catalyzes hydrolysis of endocannabinoid arachidonoylglycerol (AG) from cell membrane. 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). Also displays an ester hydrolase activity against acetyl ester, butanoate ester and hexadecanoate ester. 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. May also play a role in smooth muscle cells migration (By similarity)

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~48.3 kDa

Swiss-Prot:

P08910

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000), IF/ICC (1/50 - 1/200)

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of ABHD2 protein

DATA:

Western blot analysis of HAT1 expression in EC9706 (A), SGC7901 (B), HCT116 (C), CT26 (D), PC12 (E) whole cell lysates.

Note:

For research use only, not for use in diagnostic procedure.

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