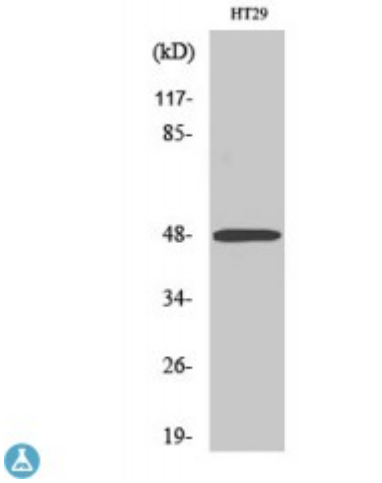
Anti-ABHD2 antibody



Description	Rabbit polyclonal to ABHD2.

Model	STJ91424
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, IF, WB
Immunogen	Synthesized peptide derived from human ABHD2
Immunogen Region	220-300 aa, Internal
Gene ID	11057
Gene Symbol	ABHD2
Dilution range	WB 1:500-1:2000IF 1:200-1:1000ELISA 1:40000
Specificity	ABHD2 Polyclonal Antibody detects endogenous levels of ABHD2 protein.
Tissue Specificity	Present in sperm (at protein level).
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Monoacylglycerol lipase ABHD2 2-arachidonoylglycerol hydrolase Abhydrolase domain-containing protein 2 Lung alpha/beta hydrolase 2 Protein PHPS1-2
Molecular Weight	48 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:18717OMIM:612196
Alternative Names	Monoacylglycerol lipase ABHD2 2-arachidonoylglycerol hydrolase Abhydrolase domain-containing protein 2 Lung alpha/beta hydrolase 2 Protein PHPS1-2
Function	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) . 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 .
Cellular Localization	Cell projection, cilium, flagellum membrane Cell membrane