

Rabbit ABHD5 Polyclonal Antibody | anti-ABHD5 antibody

ABHD5 Antibody

CATALOG # AAA322892	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
-------------------------------	-----------------------	--	---

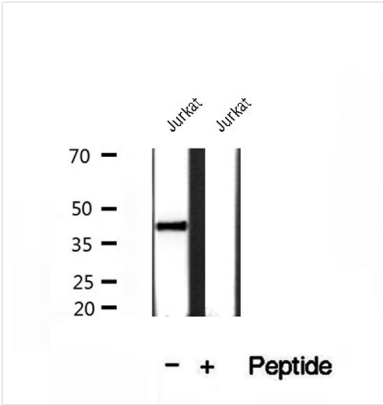
PRODUCT SYNONYMS

ABHD5; Polyclonal Antibody; ABHD5 Antibody; 1-acylglycerol-3-phosphate O-acyltransferase ABHD5; ABHD5_HUMAN; Abhydrolase domain containing 5; Abhydrolase domain containing protein 5; Abhydrolase domain-containing protein 5; CDS; CGI 58; CGI58; CGI58 protein; IECN2; Lipid droplet-binding protein CGI-58; MGC8731; NCIE2; anti-ABHD5 antibody

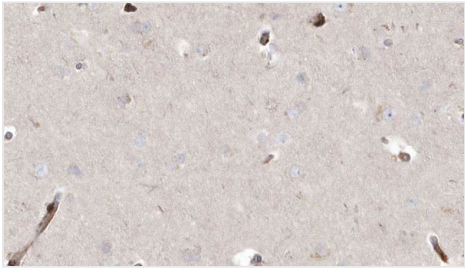
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ABHD5 antibody detects endogenous levels of ABHD5.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	349
Applicable Applications for anti-ABHD5 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ABHD5.
Subcellular Location	Cytoplasm. Lipid Droplet. Colocalized with PLIN and ADRP on the surface of lipid droplets. The localization is dependent upon the metabolic status of the adipocytes and the activity of PKA.
Tissue Specificity	Widely expressed in various tissues, including lymphocytes, liver, skeletal muscle and brain. Expressed by upper epidermal layers and dermal fibroblasts in skin, hepatocytes and neurons (at protein level).
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (90%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts of Jurkat cells, using ABHD5 antibody.



IHC (Immunohistochemistry)
AAA322892 at 1/100 staining Human brain cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-ABHD5 antibody	Function: Lysophosphatidic acid acyltransferase which functions in phosphatidic acid biosynthesis (PubMed:18606822). May regulate the cellular storage of triacylglycerol through activation of the phospholipase PNPLA2 (PubMed:16679289). Involved in keratinocyte differentiation (PubMed:18832586). Regulates lipid droplet fusion (By similarity). Subunit Structure: Interacts with ADRP, PLIN and PNPLA2. Interacts with PLIN5; promotes interaction with PNPLA2 (By similarity). Similarity: The HXXXXD motif is essential for acyltransferase activity and may constitute the binding site for the phosphate moiety of the glycerol-3-phosphate. Belongs to the peptidase S33 family. ABHD4/ABHD5 subfamily.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	31542303
NCBI GeneID	51099
NCBI Accession #	NP_057090.2
NCBI GenBank Nucleotide #	NM_016006.5
UniProt Accession #	Q8WTS1; Q9Y369; B2R9K0
Molecular Weight	Observed: 39 kDa Predicted: 40 kDa
NCBI Official Full Name	1-acylglycerol-3-phosphate O-acyltransferase ABHD5 isoform a
NCBI Official Synonym Full Names	abhydrolase domain containing 5
NCBI Official Symbol	ABHD5
NCBI Official Synonym Symbols	CGI58; IECN2; NCIE2
NCBI Protein Information	1-acylglycerol-3-phosphate O-acyltransferase ABHD5
UniProt Protein Name	1-acylglycerol-3-phosphate O-acyltransferase ABHD5
UniProt Gene Name	ABHD5
UniProt Synonym Gene Names	NCIE2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.