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anti-ABHD5 antibody (Internal Region)





Publication



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Quantity:	100 μg
Target:	ABHD5
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This ABHD5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Purpose:	CGI58 / ABHD5	
Immunogen:	Peptide with sequence C-FPERPDLADQDR, from the internal region of the protein sequence according to NP_057090.2.	
Sequence:	FPERPDLADQ DR	
Isotype:	IgG	
Specificity:	This antibody is not expected to cross-react with ABHD4.	
Cross-Reactivity:	Dog, Human, Mouse, Rat	
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.	
Grade:	Verified	

Target Details

Target:	ABHD5	
Alternative Name:	ABHD5 (ABHD5 Products)	
Background:	ABHD5, CGI58 protein, aCGI58, bhydrolase domain containing 5, CDS, IECN2, MGC8731, NCIE2	
Gene ID:	51099, 67469, 316122	
NCBI Accession:	NP_057090	
Pathways:	Lipid Metabolism	

Application Details

Application Notes:	Immunohistochemistry: Paraffin embedded Human Pancreas and Kidney. Recommended	
	concentration: 3.75 μg/mL.	
	Western Blot: Approx 40 kDa band observed in lysates of cell lines NIH3T3/3TL (calculated MW	
	of 39.1 kDa according to NP_057090.2). Additional faint bands of 26 kDa and 18 kDa were also	
	observed, and were successfully blocked by incubation with the immunizin	
	Peptide ELISA: antibody detection limit dilution 1:16000.	
Comment:	Immunofluorescence: Strong expression of the protein seen in the nuclei and cytoplasm/	
	vesicles of U2OS cells. Recommended concentration: 10µg/ml.	
Restrictions:	For Research Use only	

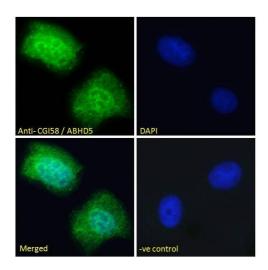
Handling

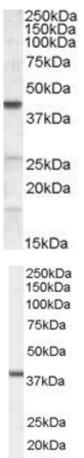
Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Product cited in:

Koltes, Spurlock: "Coordination of lipid droplet-associated proteins during the transition period of Holstein dairy cows." in: **Journal of dairy science**, Vol. 94, Issue 4, pp. 1839-48, (2011) (PubMed).

Images





15kDa

Immunofluorescence

Image 1. ABIN190850 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and vesicle/ cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

Western Blotting

Image 2. ABIN190850 (0.2μg/ml) staining of NIH3T3 lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.

Image 3. ABIN190850 (1μg/ml) staining of A431 cell line lysate (35μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Please check the product details page for more images. Overall 5 images are available for ABIN190850.