

Product Datasheet

Abhd5 Antibody (1F3) - Azide and BSA Free H00051099-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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H00051099-M01

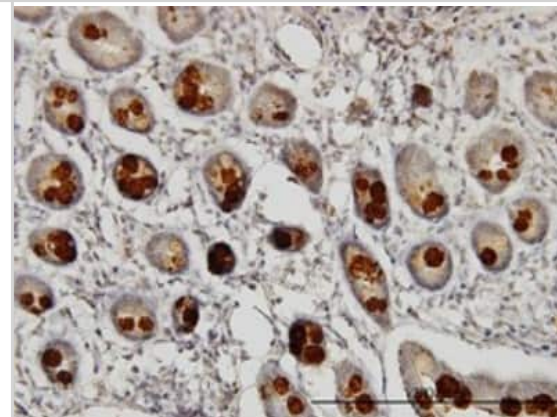
Abhd5 Antibody (1F3) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1F3
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Host	Mouse
Gene ID	51099
Gene Symbol	ABHD5
Species	Human, Mouse, Rat, Bovine, Monkey
Reactivity Notes	Mouse reactivity reported in multiple pieces of scientific literature
Specificity/Sensitivity	ABHD5 - abhydrolase domain containing 5
Immunogen	ABHD5 (AAH21958, 1 a.a. ~ 349 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MAAEEEEVDSADTGERSGWLTGWLPTWCPTSISHLKEAEEKMLKCVPCTYKK EPVRISNGNKIWLTKFSHNISNKTPLVLLHGFGGGLGLWALNFGDLCTNRPVYA FDLLGFGRSSRPRFDSDAEEVENQFVESIEEWRCALGLDKMILLGHNLGGLA AAYSLKYPSRVNHLILVEPWGFPERPDADQDRPIPVWIRALGAALTPFNPLAG LRIAGPFGLSLVQRLRPDFKRKYSSMFEDDTVTEYIYHCNVQTPSGETAFAKNT IPYGWAKRPMLQRIGKMHPDIPVSVIFGARSCIDGNSGTSIQSLRPHSYVKTAIL GAGHYVYADQPEEFNQKVKEICDTVD
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockout Validated
Recommended Dilutions	Western Blot 1:500, ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1:10-1:500, Knockout Validated
Application Notes	Antibody reactive against cell, tissue and transfected lysate for Western Blot. Has also been used for immunohistochemistry (paraffin) and ELISA. Knock Out Validation was reported in scientific literature (PMID: 27559856). Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID: 25894224).

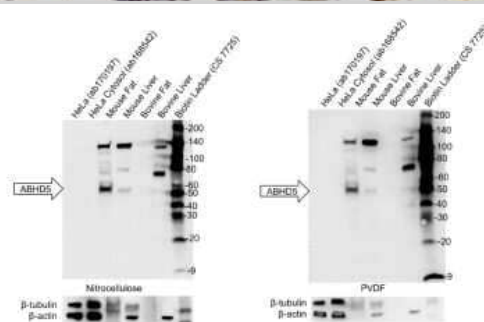


Images

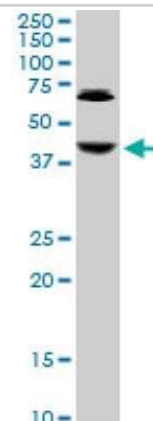
Immunohistochemistry-Paraffin: Abhd5 Antibody (1F3) [H00051099-M01] - Analysis of monoclonal antibody to ABHD5 on formalin-fixed paraffin-embedded human small Intestine. Antibody concentration 3 ug/ml.



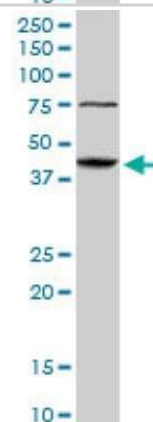
Western Blot: Abhd5 Antibody (1F3) [H00051099-M01] - ABHD5 expression in HeLa, mouse and bovine tissues. Primary: 1:500 dilution. This image was submitted via customer Review.



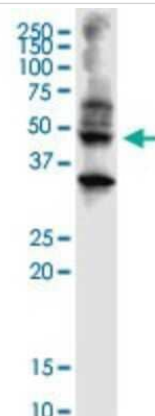
Western Blot: Abhd5 Antibody (1F3) [H00051099-M01] - Western Blot analysis of ABHD5 expression in Jurkat(Cat # L017V1).



Western Blot: Abhd5 Antibody (1F3) [H00051099-M01] - Western Blot analysis of ABHD5 expression in human liver.



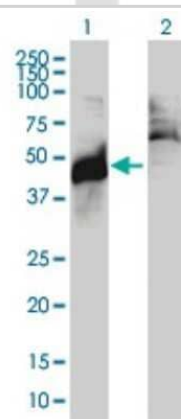
Western Blot: Abhd5 Antibody (1F3) [H00051099-M01] - ABHD5 monoclonal antibody (M01), clone 1F3. Analysis of ABHD5 expression in HeLa.



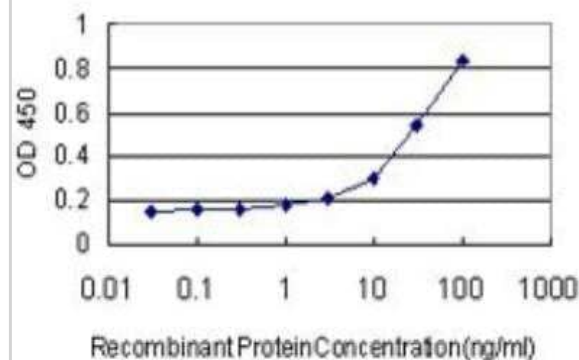
Western Blot: Abhd5 Antibody (1F3) [H00051099-M01] - ABHD5 monoclonal antibody (M01), clone 1F3. Analysis of ABHD5 expression in rat testis.



Western Blot: Abhd5 Antibody (1F3) [H00051099-M01] - Analysis of ABHD5 expression in transfected 293T cell line by ABHD5 monoclonal antibody (M01), clone 1F3. Lane 1: ABHD5 transfected lysate (39 kDa). Lane 2: Non-transfected lysate.



ELISA: Abhd5 Antibody (1F3) [H00051099-M01] - Detection limit for recombinant GST tagged ABHD5 is approximately 1 ng/ml as a capture antibody.



Publications

Ou J, Miao H, Ma Y et al. Loss of abhd5 promotes colorectal tumor development and progression by inducing aerobic glycolysis and epithelial-mesenchymal transition Cell Rep 2015-12-11 [PMID: 25482557]

Y Gu, Y Chen, L Wei, S Wu, K Shen, C Liu, Y Dong, Y Zhao, Y Zhang, C Zhang, W Zheng, J He, Y Wang, Y Li, X Zhao, H Wang, J Tan, L Wang, Q Zhou, G Xie, H Liang, J Ou ABHD5 inhibits YAP-induced c-Met overexpression and colon cancer cell stemness via suppressing YAP methylation Nature Communications, 2021-11-18;12(1):6711. 2021-11-18 [PMID: 34795238] (Chromatin Immunoprecipitation, Immunohistochemistry, Western Blot)

Gandhi AY, Yu J, Gupta A et al. Cytokine-Mediated STAT3 Transcription Supports ATGL/CGI-58-Dependent Adipocyte Lipolysis in Cancer Cachexia Frontiers in Oncology 2022-06-15 [PMID: 35785158] (Block/Neutralize)

Ivan B, Katharina K, Sophie H et al. Off-target effects of the lysosomal acid lipase inhibitors Lalistat-1 and Lalistat-2 on neutral lipid hydrolases. Mol Metab. 2022-04-30 [PMID: 35504532]

Wagner C, Hois V, Pajed L et al. Lysosomal acid lipase is the major acid retinyl ester hydrolase in cultured human hepatic stellate cells but not essential for retinyl ester degradation. Biochim Biophys Acta Mol Cell Biol Lipids . 2020-05-01 [PMID: 32361002]

Yang P, Wang Y, Tang W et al. Western diet induces severe nonalcoholic steatohepatitis, ductular reaction, and hepatic fibrosis in liver CGI-58 knockout mice. Sci Rep. 2020-03-13 [PMID: 32170127]

Gabrielle V, Isabelle R, Arnaud C et al. The ATGL Lipase Cooperates With ABHD5 to Mobilize Lipids for Hepatitis C Virus Assembly. PLoS Pathog. 2020-06-15 [PMID: 32542055]

Alexander Y, Emilio M, Ljiljana M et al. Dynamic interactions of ABHD5 with PNPLA3 regulate triacylglycerol metabolism in brown adipocytes. Nat Metab. 2019-05-06 [PMID: 31497752]

Korbelius M, Vujic N, Sachdev V et al. ATGL/CGI-58-Dependent Hydrolysis of a Lipid Storage Pool in Murine Enterocytes. Cell Rep. 2019-08-13 [PMID: 31412256]

Talbott HA, Plewes MR, Krause C et al. Formation and characterization of lipid droplets of the bovine corpus luteum Sci Rep 2020-07-09 [PMID: 32647143] (WB, Bovine)

Shang S, Ji X, Zhang L et al. Macrophage ABHD5 suppresses NF-kappa B-dependent matrix metalloproteinase expression and cancer metastasis Cancer Res. 2019-08-22 [PMID: 31439546] (ICC/IF, WB, Mouse)

Ou J, Peng Y, Yang W et al. ABHD5 blunts the sensitivity of colorectal cancer to fluorouracil via promoting autophagic uracil yield. Nat Commun. 2019-03-06 [PMID: 30842415]

More publications at <http://www.novusbio.com/H00051099-M01>





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Products Related to H00051099-M01

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
NB110-41576PEP	Abhd5 Antibody Blocking Peptide

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