

# Product Datasheet

## Abhd5 Antibody NB100-57850

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NB100-57850**

Abhd5 Antibody

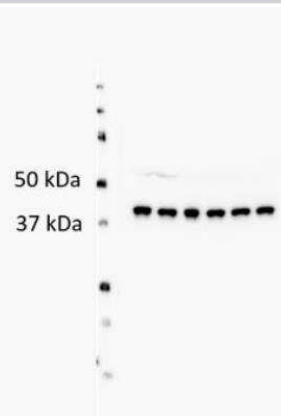
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Host	Goat
Gene ID	51099
Gene Symbol	ABHD5
Species	Human, Mouse
Specificity/Sensitivity	This antibody is not expected to cross-react with ABHD4.
Immunogen	Peptide with sequence C-FPERPDLADQDR corresponding to internal region according to NP_057090.2.

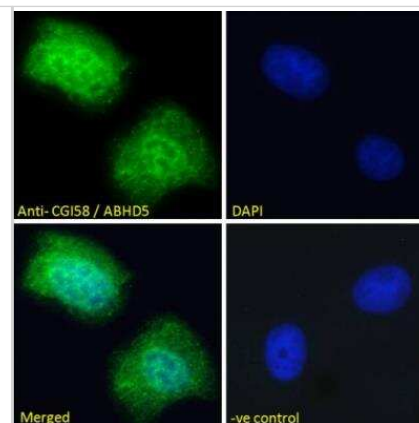
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA
Recommended Dilutions	Western Blot 0.2 - 0.6 ug/mL, Immunohistochemistry 3.75 ug/mL, Immunocytochemistry/ Immunofluorescence 10 ug/mL, Immunohistochemistry-Paraffin 3.75 ug/mL, Peptide ELISA Detection limit 1:16000
Application Notes	Western blot: Approx 40kDa band observed in lysates of cell line NIH3T3 (calculated MW of 39.1kDa according to NP_057090.2). Primary incubation was 1 hour. Additional faint bands of 26kDa and 18kDa were observed. These bands were successfully blocked by incubation with the immunizing peptide. IHC: Paraffin embedded Human Pancreas and Kidney.

**Images**

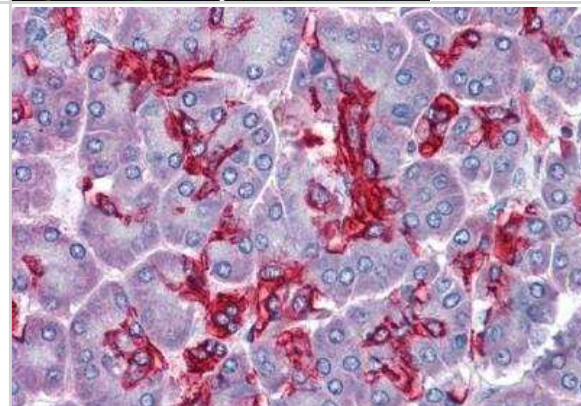
Western Blot: Abhd5 Antibody [NB100-57850] - Mesenchymal stem cells differentiated into adipocytes. Antibody at 1:1000 in 5% BSA. Clear, strong band at expected molecular weight. Image from verified customer review.



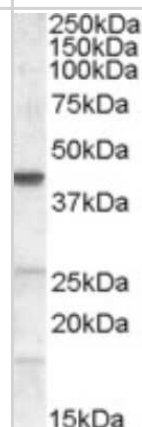
**Immunocytochemistry/Immunofluorescence:** Abhd5 Antibody [NB100-57850] - Analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing nuclear and vesicle/cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).



**Immunohistochemistry-Paraffin:** Abhd5 Antibody [NB100-57850] - Staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



**Western Blot:** Abhd5 Antibody [NB100-57850] - Staining of NIH3T3 lysate (35 ug protein in RIPA buffer), antibody at 0.2 ug/mL. Detected by chemiluminescence.



**Immunohistochemistry-Paraffin:** Abhd5 Antibody [NB100-57850] - Staining of paraffin embedded Human Pancreas. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



## Publications

Anderson A, Lambert J, Montefusco D et al. Depletion of adipocyte sphingosine kinase 1 causes cell hypertrophy, impaired lipolysis, and NAFLD J Lipid Res. [PMID: 32690594] (WB, Mouse)

Lass A, Zimmermann R, Haemmerle G et al. Adipose triglyceride lipase-mediated lipolysis of cellular fat stores is activated by CGI-58 and defective in Chanarin-Dorfman Syndrome. Cell Metab 2006-05-01 [PMID: 16679289]

Sitnick MT, Basantani MK, Cai L et al. Skeletal muscle triacylglycerol hydrolysis does not influence metabolic complications of obesity. Diabetes 2013-10-01 [PMID: 23835334] (ICC/IF, Mouse)





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### **Products Related to NB100-57850**

NBL1-07199	Abhd5 Overexpression Lysate
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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