

For Research Use Only

ABHD17A Polyclonal antibody

Catalog Number: 15854-1-AP

4 Publications



Basic Information

Catalog Number:

15854-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8697

GenBank Accession Number:

BC000158

GeneID (NCBI):

81926

UNIPROT ID:

Q96GS6

Full Name:

family with sequence similarity 108, member A1

Calculated MW:

34 kDa

Observed MW:

34 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

mouse

Positive Controls:

WB : PC-3 cells, SH-SY5Y cells, mouse brain tissue, rat brain tissue

IHC : human colon tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Alpha/beta hydrolase domain-containing protein 17A (ABHD17A) is a membrane-localized thioesterase, which regulates H- and N-RAS39, also catalyzes the depalmitoylation of CNAβ1 causing it to redistribute from the PM to the cytosol and the Golgi (PMID: 34663815). ABHD17a is a major acyl protein thioesterase that site-specifically deacylates the STREX domain of the BK channel to control channel activity (PMID: 32913120). Western blot analysis detected ABHD17A at an apparent molecular mass of 34 kDa (PMID: 27307232), and the 70 kDa-band could be the dimer.

Notable Publications

Author	Pubmed ID	Journal	Application
Norihiko Yokoi	27307232	J Neurosci	
Shuwei Hu	39047111	Sci Adv	WB
Mengying Wu	38522513	J Biol Chem	

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

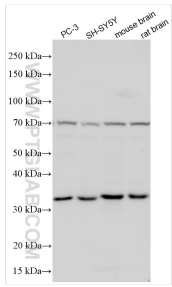
For technical support and original validation data for this product please contact:

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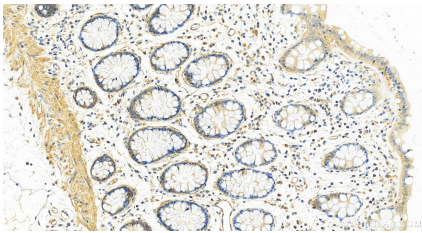
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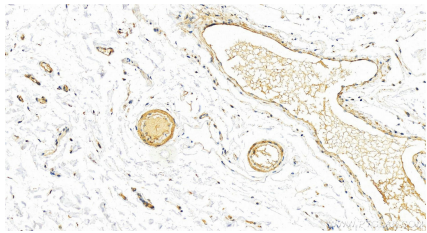
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 15854-1-AP (ABHD17A antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 15854-1-AP (ABHD17A antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 15854-1-AP (ABHD17A antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).