

For Research Use Only

ATP8A2 Polyclonal antibody

Catalog Number: 31697-1-AP



Basic Information

Catalog Number:

31697-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG36276

GenBank Accession Number:

NM_001313741

GeneID (NCBI):

51761

UNIPROT ID:

Q9NTI2

Full Name:

ATPase, aminophospholipid transporter-like, class I, type 8A, member 2

Calculated MW:

133kDa

Observed MW:

129 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:50-1:500

Applications

Tested Applications:

IHC, IP, ELISA

Species Specificity:

human, mouse

Positive Controls:

IP : mouse testis tissue,

IHC : mouse brain tissue, mouse testis 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

ATP8A2 is also known as ATP1B. ATP8A2 is a member of the P4-ATPase subfamily of P-type ATPases that actively flips phosphatidylserine (PS) and phosphatidylethanolamine (PE) across membranes to generate and maintain transmembrane phospholipid asymmetry, a property important in such cellular processes as vesicle trafficking, apoptosis, cytokinesis, neuron survival, blood coagulation, and phagocytosis. ATP8A2 consists of an N-domain involved in binding ATP, a P-domain that undergoes phosphorylation, an A-domain that functions in the dephosphorylation of the phosphorylated intermediate, and an M-domain consisting of 10 transmembrane segments that comprise the pathway for translocation of the lipid across the membrane. ATP8A2 is highly expressed in the brain, spinal cord, testis, and retina (PMID: 33565221, PMID: 33766557, PMID: 37635783).

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

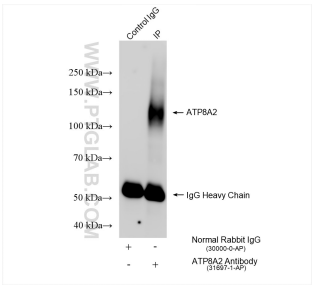
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

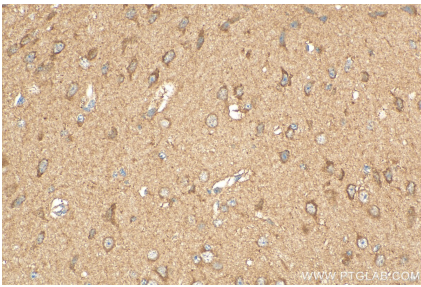
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



IP result of anti-ATP8A2 (IP:31697-1-AP, 4ug; Detection:31697-1-AP 1:600) with mouse testis tissue lysate 1120 ug.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 31697-1-AP (ATP8A2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).