

For Research Use Only

ATP1B2 Recombinant monoclonal antibody, PBS Only

Catalog Number: 88109-1-PBS



Basic Information

Catalog Number:

88109-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG6094

GenBank Accession Number:

NM_001678.4

GeneID (NCBI):

482

UNIPROT ID:

P14415

Full Name:

ATPase, Na⁺/K⁺ transporting, beta 2 polypeptide

Calculated MW:

33 kDa

Observed MW:

45-65 kDa

Purification Method:

Protein A purification

CloneNo.:

260382A9

Applications

Tested Applications:

WB, IF-P, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

ATP1B2 is the $\beta 2$ subunit of Na⁺/K⁺-ATPase which is an essential membrane-bound enzyme responsible for the transport of Na⁺ and K⁺ in most eukaryotic cells. ATP1B2 is also called the adhesion molecule on glia (AMOG) and it is highly expressed in normal glia. It is a heavily glycosylated protein that plays a role in cellular adhesion in the CNS. Recently differential expression of ATP1B2 has been found in some glioneuronal tumors (PMID: 23887941, 19371356). This antibody recognizes the endogenous ATP1B2 protein in human brain. The bands between 45 kDa and 65 kDa represent the glycosylated forms of ATP1B2 in different levels (PMID: 8918259).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

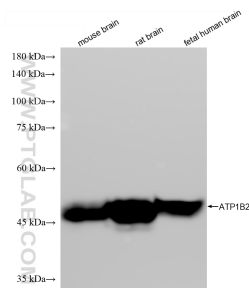
For technical support and original validation data for this product please contact:

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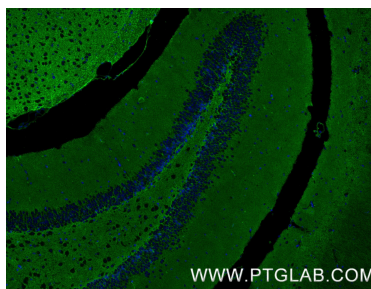
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W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 88109-1-RR (ATP1B2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 88109-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using ATP1B2 antibody (88109-1-RR, Clone: 260382A9) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 88109-1-PBS in a different storage buffer formulation.