

For Research Use Only

ATP1B2 Recombinant monoclonal antibody

Catalog Number: 88109-1-RR



Basic Information

Catalog Number: 88109-1-RR	GenBank Accession Number: NM_001678.4	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 482	CloneNo.: 260382A9
Isotype: IgG	UNIPROT ID: P14415	Recommended Dilutions: WB: 1:5000-1:50000 IF-P: 1:50-1:500
Immunogen Catalog Number: EG6094	Full Name: ATPase, Na ⁺ /K ⁺ transporting, beta 2 polypeptide	
	Calculated MW: 33 kDa	
	Observed MW: 45-65 kDa	

Applications

Tested Applications: WB, IF-P, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : mouse brain tissue, rat brain tissue, fetal human brain tissue IF-P : mouse brain tissue,

Background Information

ATP1B2 is the β 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 -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20° C storage

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

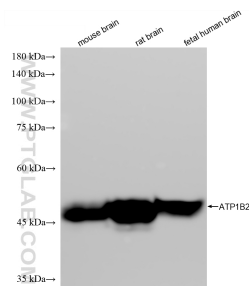
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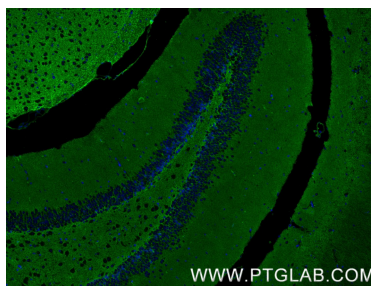
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 88109-1-RR (ATP1B2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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).