

For Research Use Only

UNC79 Recombinant antibody

Catalog Number: 84642-1-RR



Basic Information

Catalog Number: 84642-1-RR	GenBank Accession Number: NM_020818.4	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 57578	CloneNo.: 241628A7
Source: Rabbit	UNIPROT ID: Q9P2D8	Recommended Dilutions: IHC 1:50-1:500 IF/ICC 1:50-1:500
Isotype: IgG	Full Name: KIAA1409	
Immunogen Catalog Number: AG35440	Calculated MW: 295 kDa	

Applications

Tested Applications: IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse	IHC : mouse brain tissue, IF/ICC : SH-SY5Y cells,
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

UNC79 is one of the key auxiliary subunits of the NALCN channel complex. Together with NALCN, FAM155A, and UNC80, it constitutes the NALCN channel body and is essential for maintaining neuronal excitability, motor function, pain sensitivity, and circadian rhythm (PMID: 35387979).

Storage

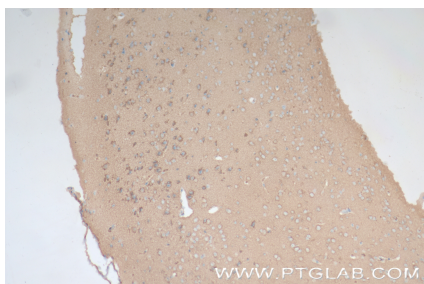
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

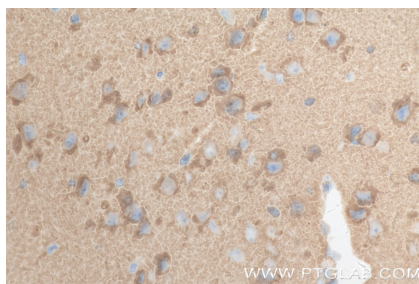
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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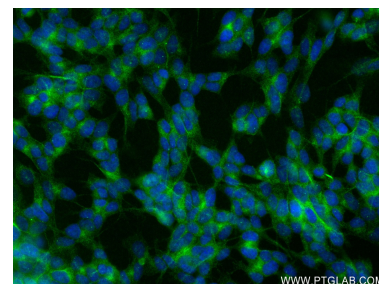
Selected Validation Data



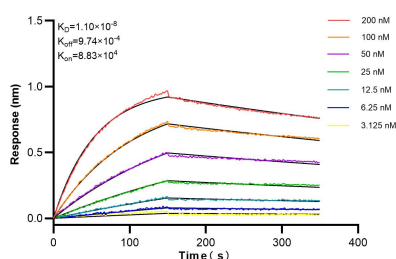
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 84642-1-RR (UNC79 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 84642-1-RR (UNC79 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed SH-SY5Y cells using UNC79 antibody (84642-1-RR, Clone: 241628A7) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Bioluminescence resonance energy transfer (BLI) kinetic assays of 84642-1-RR against Human UNC79 were performed. The affinity constant is 11 nM.