

For Research Use Only

TMEM50B Polyclonal antibody

Catalog Number: 15941-1-AP



Basic Information

Catalog Number: 15941-1-AP	GenBank Accession Number: BC000569	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 757	Recommended Dilutions: WB 1:300-1:1000 IHC 1:50-1:500
Source: Rabbit	Full Name: transmembrane protein 50B	
Isotype: IgG	Calculated MW: 15 kDa	
Immunogen Catalog Number: AG8220	Observed MW: 14 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : mouse testis tissue, IHC : mouse brain 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

TMEM50B, originally referred to as C21orf4, is a predicted transmembrane protein, estimated to contain four transmembrane-spanning domains with both the carboxy- and amino-terminals being cytoplasmic (PMID: 10077530; 18541381). Human TMEM50B shares sequence homologies of around 90-100% with mouse and rat Tmem50b. In a Down syndrome mouse model, Ts1Cje, Tmem50b is shown to be one of the few genes significantly over-expressed during cerebellar development (PMID: 15590701). It has been reported that rodent Tmem50b is a developmentally-regulated intracellular ER and Golgi apparatus membrane protein that may prove important for correct brain development through functions associated with precursor cells and glia (PMID: 18541381).

Storage

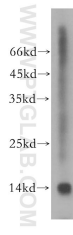
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

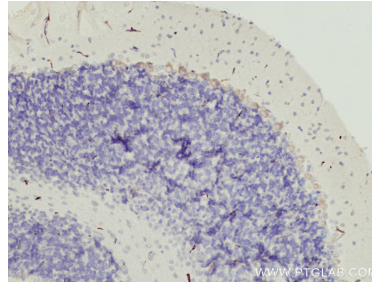
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

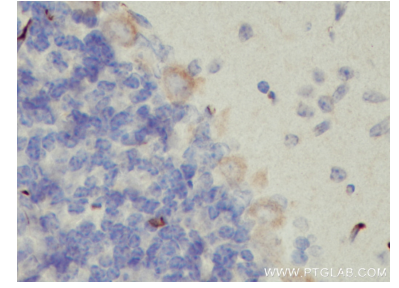
Selected Validation Data



mouse testis tissue were subjected to SDS PAGE followed by western blot with 15941-1-AP (TMEM50B antibody) at dilution of 1:200 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 15941-1-AP (TMEM50B 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 15941-1-AP (TMEM50B antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).