

For Research Use Only

TBR1 Monoclonal antibody

Catalog Number: 66564-1-Ig **8 Publications**



Basic Information

Catalog Number: 66564-1-Ig	GenBank Accession Number: BC104844	Purification Method: Protein G purification
Size: 150ul, Concentration: 2000 µg/ml by Nanodrop and 1069 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10716	CloneNo.: 5C3A5
Source: Mouse	UNIPROT ID: Q16650	Recommended Dilutions: WB 1:2000-1:12000 IHC 1:50-1:500 IF-P 1:200-1:800
Isotype: IgG1	Full Name: T-box, brain, 1	
Immunogen Catalog Number: AG15262	Calculated MW: 682 aa, 74 kDa	
	Observed MW: 74 kDa	

Applications

Tested Applications: WB, IHC, IF-P, ELISA	Positive Controls: WB : pig brain tissue, pig cerebellum tissue, rat cerebellum tissue, rat brain tissue, mouse brain tissue, rabbit brain tissue
Cited Applications: IHC, IF	IHC : mouse brain tissue,
Species Specificity: human, mouse, rat, pig	IF-P: mouse brain tissue,
Cited Species: human, mouse, rat	
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

TBR1, also named T-box brain protein 1, is a 682 amino acid protein, which contains one T-box DNA-binding domain and localizes in the nucleus. TBR1 is expressed in the brain and as a transcriptional regulator is involved in developmental processes. TBR1 is required for normal brain development.

Notable Publications

Author	Pubmed ID	Journal	Application
Thao P Phan	33226141	EMBO J	IHC
Egidio Spinelli	34185323	Ann Neurol	IF
Huai-Bin Hu	33510165	Nat Commun	IF

Storage

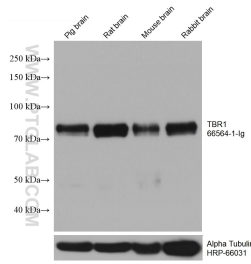
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

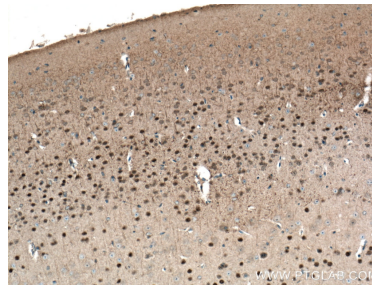
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

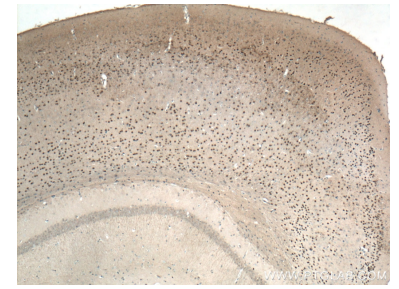
Selected Validation Data



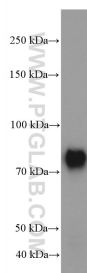
Various lysates were subjected to SDS PAGE followed by western blot with 66564-1-Ig (TBR1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



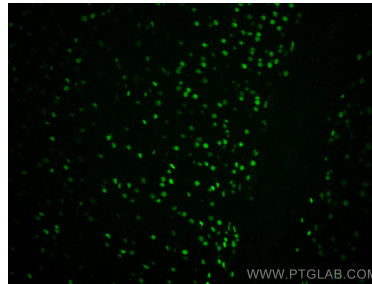
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66564-1-Ig (TBR1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



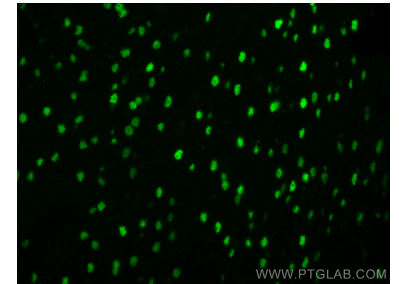
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66564-1-Ig (TBR1 antibody) at dilution of 1:200 (under 4x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



pig cerebellum tissue were subjected to SDS PAGE followed by western blot with 66564-1-Ig (TBR1 antibody) at dilution of 1:2000 incubated at 4 degree celsius over night.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using TBR1 antibody (66564-1-Ig, Clone: 5C3A5) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using TBR1 antibody (66564-1-Ig, Clone: 5C3A5) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).