

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: 2000 ug/ml	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:
Cited Applications: IHC, IF	WB : pig brain tissue, pig cerebellum tissue, rat cerebellum tissue, rat brain tissue, mouse brain tissue, rabbit brain tissue
Species Specificity: human, mouse, rat, pig	IHC : mouse brain tissue,
Cited Species: human, mouse, rat	IF-P : 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

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

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

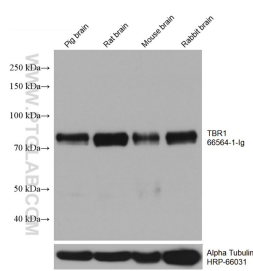
T: 4006900926

E: Proteintech-CN@ptglab.com

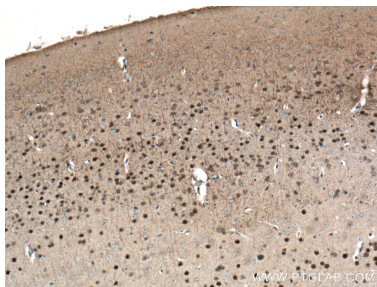
W: ptgcn.com

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Selected Validation Data



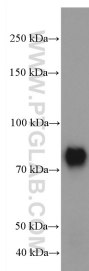
Various lysates were subjected to SDS PAGE followed by western blot with 66564-1-Ig (TBR1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



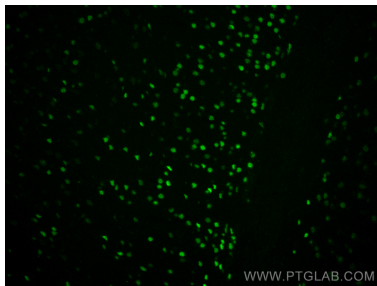
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66564-1-Ig (TBR1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



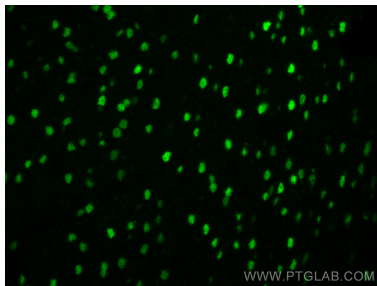
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66564-1-Ig (TBR1 antibody) at dilution of 1:200 (under 4x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).