For Research Use Only

TBR1 Monoclonal antibody

Catalog Number:66564-1-Ig 8 Publications

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Basic Information

Catalog Number:
66564-1-Ig

Size:
150ul , Concentration: 2000 ug/ml by Nanodrop and 1069 ug/ml by Bradford method using BSA as the standard;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG15262

GenBank Accession Number:
BC104844

GeneID (NCBI):
10716

UNIPROT ID:
Q16650

Full Name:
T-box, brain, 1

Calculated MW:
682 aa, 74 kDa

Observed MW:
74 kDa

Purification Method:
Protein G purification

CloneNo.:
5C3A5

Recommended Dilutions:
WB 1:2000-1:12000
IHC 1:50-1:500
IF-P 1:200-1:800

Applications

Tested Applications:
WB, IHC, IF-P, ELISA

Cited Applications:
IHC, IF

Species Specificity:
human, mouse, rat, pig

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

Positive Controls:

WB : pig brain tissue, pig cerebellum tissue, rat cerebellum tissue, rat brain tissue, mouse brain tissue, rabbit brain tissue

IHC : mouse brain tissue,

IF-P : mouse brain tissue,

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

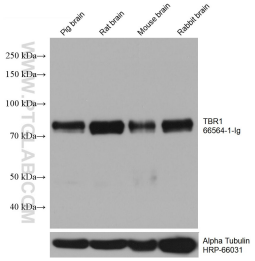
Storage

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

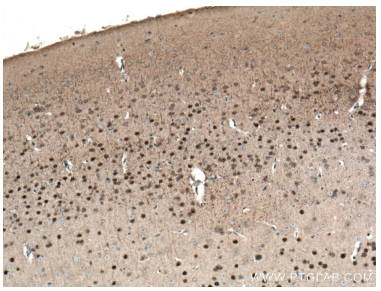
*** 20ul sizes contain 0.1% BSA

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

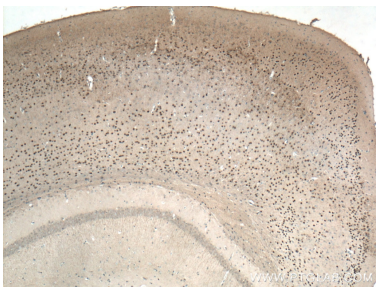
Selected Validation Data



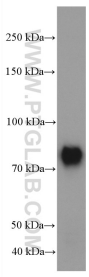
Various lysates were subjected to SDS PAGE followed by western blot with 66564-1-Ig (TBR1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



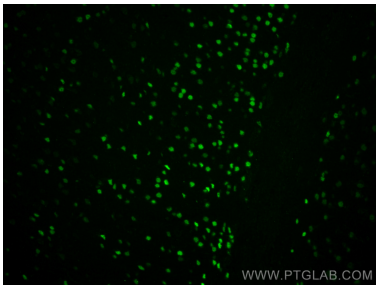
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66564-1-Ig (TBR1 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



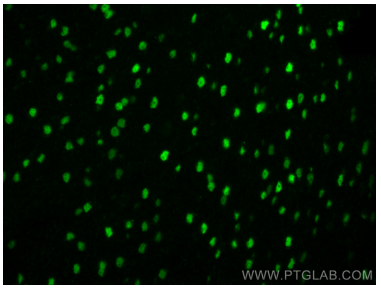
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66564-1-Ig (TBR1 antibody) at dilution of 1:200 (under 4x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



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