

For Research Use Only

# TBR1 Polyclonal antibody

Catalog Number: 20932-1-AP **32 Publications**



## Basic Information

<b>Catalog Number:</b> 20932-1-AP	<b>GenBank Accession Number:</b> BC104844	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 350 µg/ml by Nanodrop and 273 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 10716	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:20-1:200 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> T-box, brain, 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 682 aa, 74 kDa	
<b>Immunogen Catalog Number:</b> AG14935	<b>Observed MW:</b> 74 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, IP, WB, ELISA	<b>Positive Controls:</b> WB: mouse brain tissue, IP: mouse brain tissue, IHC: human brain tissue, mouse brain tissue, rat brain tissue IF: mouse brain tissue,
<b>Cited Applications:</b> FC (Intra), IF, IHC, WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, rat, mouse	

**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 as 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
Inseyah Bagasrawala	27746712	Front Neurosci	WB,IF
Inseyah Bagasrawala	27664962	Cereb Cortex	WB,IHC
Giedre Miskinyte	30307948	PLoS One	IF

## Storage

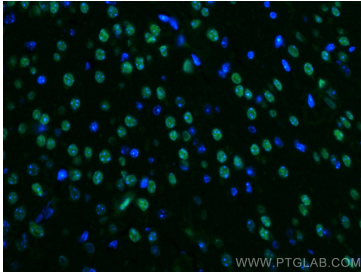
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

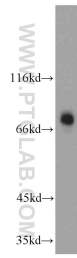
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

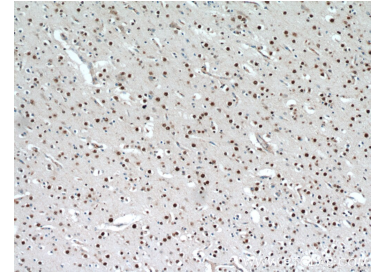
## Selected Validation Data



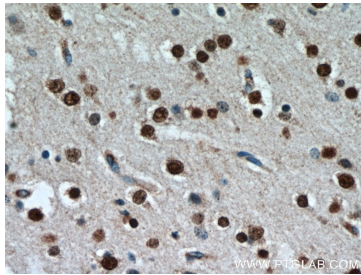
Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using TBR1 antibody (20932-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



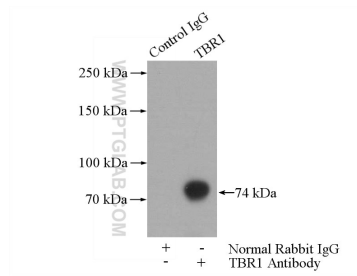
mouse brain tissue were subjected to SDS PAGE followed by western blot with 20932-1-AP (TBR1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain using 20932-1-AP (TBR1 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain using 20932-1-AP (TBR1 antibody) at dilution of 1:100 (under 40x lens).



IP Result of anti-TBR1 (IP:20932-1-AP, 4ug; Detection:20932-1-AP 1:600) with mouse brain tissue lysate 4000ug.