

For Research Use Only

# TBR1 Polyclonal antibody

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



## Basic Information

**Catalog Number:**

20932-1-AP

**Size:**

350 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG14935

**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:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

IF 1:50-1:500

## Applications

**Tested Applications:**

IF-P, IHC, IP, WB, ELISA

**Cited Applications:**

WB, IF, IHC, FC (Intra)

**Species Specificity:**

human, mouse, rat

**Cited Species:**

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**

**Positive Controls:**

WB : mouse brain tissue,

IP : mouse brain tissue,

IHC : human brain tissue, mouse brain tissue, rat brain tissue

IF : mouse brain tissue,

## 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
Inseayah Bagasrawala	27746712	Front Neurosci	WB,IF
Inseayah 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

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

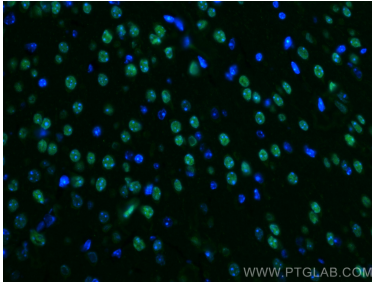
T: 4006900926

E: Proteintech-CN@ptglab.com

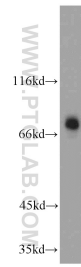
W: ptgcn.com

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

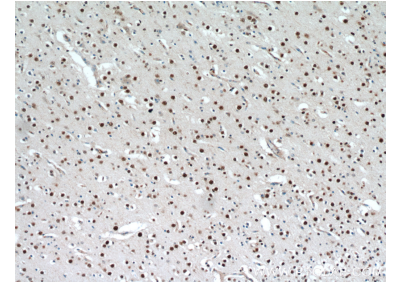
## Selected Validation Data



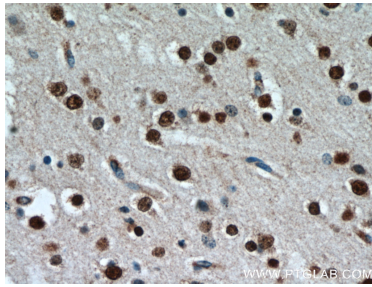
Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using TBR1 antibody (20932-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



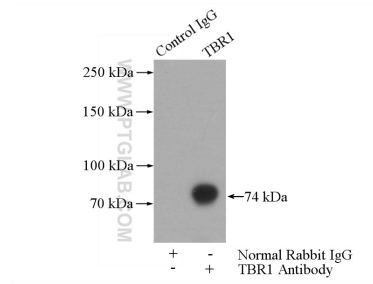
mouse brain tissue were subjected to SDS PAGE followed by western blot with 20932-1-AP (TBR1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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.