

For Research Use Only

TBR1 Polyclonal antibody

Catalog Number: 20932-1-AP

36 Publications



Basic Information

Catalog Number:

20932-1-AP

Concentration:

750 ug/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 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:20-1:200

IF-P: 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF-P, IP, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

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 : mouse brain tissue,

IP : mouse brain tissue,

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

IF-P : 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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

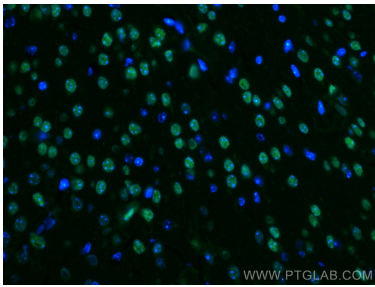
T: 4006900926

E: Proteintech-CN@ptglab.com

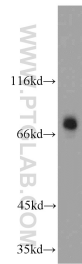
W: ptgcn.com

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

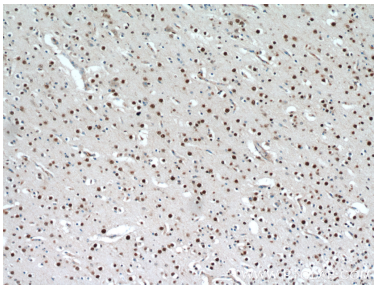
Selected Validation Data



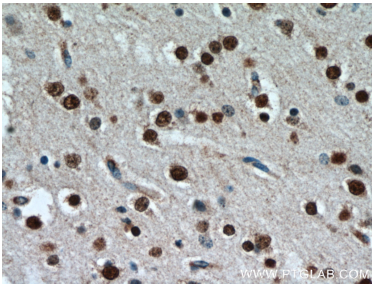
Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using TBR1 antibody (20932-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



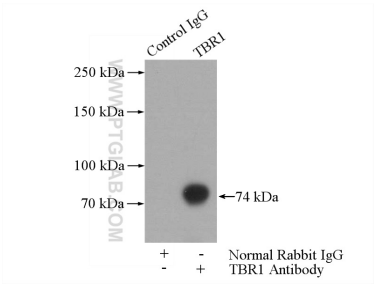
mouse brain tissue were subjected to SDS PAGE followed by western blot with 20932-1-AP (TBR1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



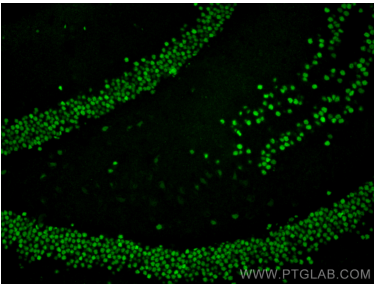
Immunohistochemical analysis of paraffin-embedded human brain using 20932-1-AP (TBR1 antibody) at dilution of 1:100 (under 10x lens).



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.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using TBR1 antibody (20932-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).