

For Research Use Only

# TBR1 Monoclonal antibody, PBS Only

Catalog Number: 66564-1-PBS



## Basic Information

<b>Catalog Number:</b> 66564-1-PBS	<b>GenBank Accession Number:</b> BC104844	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10716	<b>CloneNo.:</b> 5C3A5
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q16650	
<b>Isotype:</b> IgG1	<b>Full Name:</b> T-box, brain, 1	
<b>Immunogen Catalog Number:</b> AG15262	<b>Calculated MW:</b> 682 aa, 74 kDa	
	<b>Observed MW:</b> 74 kDa	

## Applications

**Tested Applications:**  
WB, IF, IHC, ELISA

**Species Specificity:**  
Human, rat, mouse, pig

## 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.

## Storage

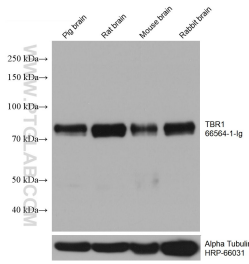
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only

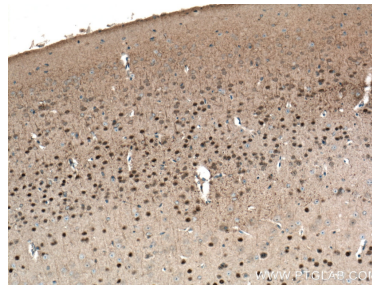
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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

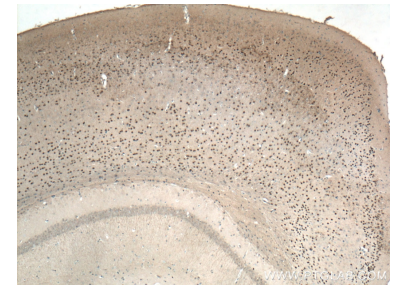
## Selected Validation Data



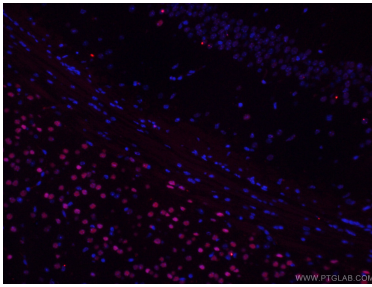
Various lysates were subjected to SDS PAGE followed by western blot with 66564-1-Ig (TBR1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control. This data was developed using the same antibody clone with 66564-1-PBS in a different storage buffer formulation.



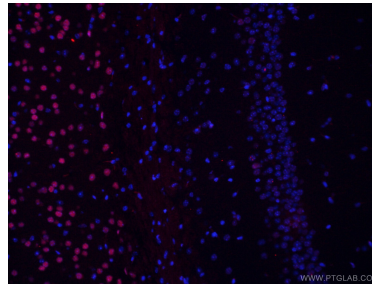
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66564-1-Ig (TBR1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66564-1-PBS in a different storage buffer formulation.



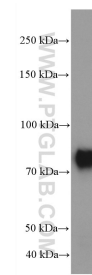
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66564-1-Ig (TBR1 antibody) at dilution of 1:200 (under 4x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66564-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using 66564-1-Ig (TBR1 antibody) at dilution of 1:100 and Alexa Fluor 594-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66564-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using 66564-1-Ig (TBR1 antibody) at dilution of 1:100 and Alexa Fluor 594-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66564-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 66564-1-PBS in a different storage buffer formulation.