

For Research Use Only

# TRAF4 Monoclonal antibody

Catalog Number: 66755-1-Ig

Featured Product

4 Publications



## Basic Information

<b>Catalog Number:</b> 66755-1-Ig	<b>GenBank Accession Number:</b> BC001769	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul, Concentration: 1700 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 9618	<b>CloneNo.:</b> 2C9A11
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9BUZ4	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IHC 1:200-1:800 IF/ICC 1:50-1:500
<b>Isotype:</b> IgG1	<b>Full Name:</b> TNF receptor-associated factor 4	
<b>Immunogen Catalog Number:</b> AG27221	<b>Calculated MW:</b> 54 kDa	
	<b>Observed MW:</b> 50-54 kDa	

## Applications

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

**Cited Applications:**  
WB, IHC, IF

**Species Specificity:**  
Human, pig

**Cited Species:**  
human, 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:** Jurkat cells, HeLa cells, THP-1 cells, U-937 cells, NCCIT cells, human brain tissue, pig brain tissue, HEK-293 cells, Ramos cells, Daudi cells, Raji cells, pig spleen tissue

**IHC:** human urothelial carcinoma tissue, human lung cancer tissue, human breast cancer tissue

**IF/ICC:** HeLa cells,

## Background Information

The tumor necrosis factor receptor-associated factor (TRAF) family, consisting of seven members (TRAF1-7), is a group of signaling adaptors which participate in various signaling pathways through binding of the tumor necrosis factor receptor superfamily. As one of the important member of TRAF family proteins, TRAF4 was initially isolated from breast carcinomas and identified as the first member of the TRAF family to be up-regulated in human carcinomas. TRAF4 is required during embryogenesis in key biological processes including the formation of the trachea, the development of the axial skeleton, and the closure of the neural tube. TRAF4 deficiency leads to severe developmental alterations.

## Notable Publications

Author	Pubmed ID	Journal	Application
Hongyu Gu	36077559	Int J Mol Sci	WB,IF
Jun Zhou	32304412	Anticancer Drugs	WB
Tiantian Wang	38978293	FEBS J	WB

## Storage

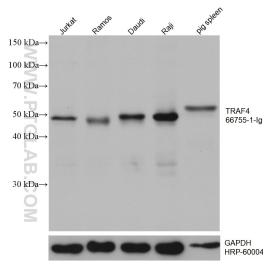
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

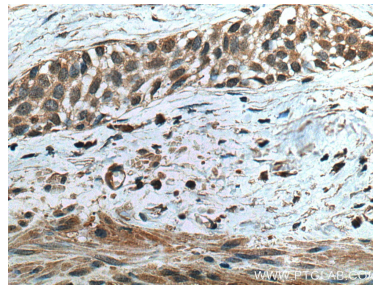
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

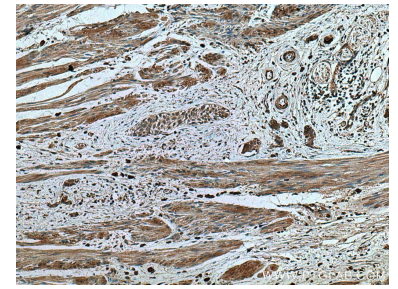
## Selected Validation Data



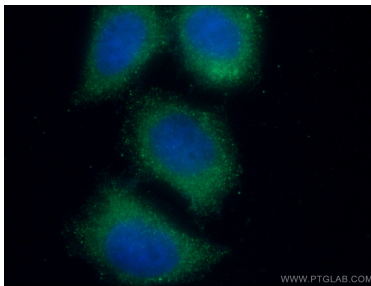
Various lysates were subjected to SDS PAGE followed by western blot with 66755-1-Ig (TRAF4 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



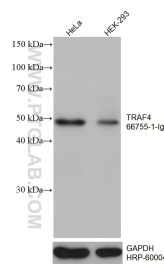
Immunohistochemical analysis of paraffin-embedded human urothelial carcinoma tissue slide using 66755-1-Ig (TRAF4 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human urothelial carcinoma tissue slide using 66755-1-Ig (TRAF4 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 66755-1-Ig (TRAF4 antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 66755-1-Ig (TRAF4 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.