

For Research Use Only

# TRAF2 Recombinant antibody

Catalog Number: 84581-3-RR



## Basic Information

Catalog Number: 84581-3-RR	GenBank Accession Number: BC032410	Purification Method: Protein A purification
Concentration: 1000 µg/ml	GeneID (NCBI): 7186	CloneNo.: 241899A2
Source: Rabbit	UNIPROT ID: Q12933	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:50-1:500 IF/ICC 1:125-1:500
Isotype: IgG	Full Name: TNF receptor-associated factor 2	
Immunogen Catalog Number: AG25387	Calculated MW: 56 kDa Observed MW: 53 kDa	

## Applications

Tested Applications: WB, IHC, IF/ICC, FC (Intra), ELISA	Positive Controls:
Species Specificity: human, mouse	WB : HeLa cells, HEK-293T cells, HepG2 cells, MOLT-4 cells, NIH/3T3 cells, C2C12 cells
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	IHC : human ovary cancer tissue, human rectal cancer tissue
	IF/ICC : HeLa cells,

## Background Information

Tumor necrosis factor (TNF) receptor-associated factor-2 (TRAF2) is one of the members of the TRAF superfamily protein, which is an intracellular junction protein with E3 ligase activity. TRAF2 mediates and regulates the activation of nuclear factor kappa B (NF- $\kappa$ B) and microtubule-associated protein kinase (MAPK) signaling pathways by binding to TNFR family proteins. Recent studies have demonstrated that TRAF2 regulates tumor progression by through multiple pathways.

## 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:

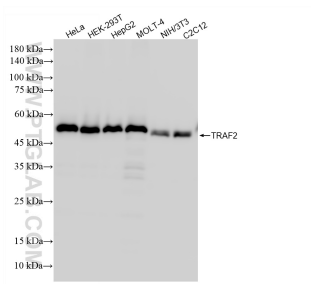
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

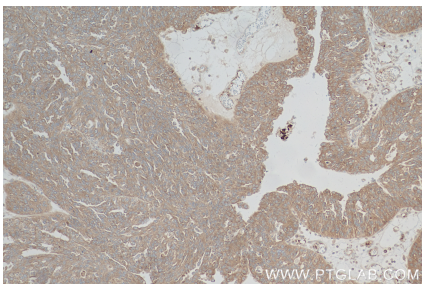
W: [ptgcn.com](http://ptgcn.com)

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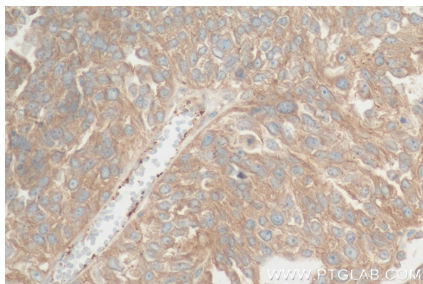
Selected Validation Data



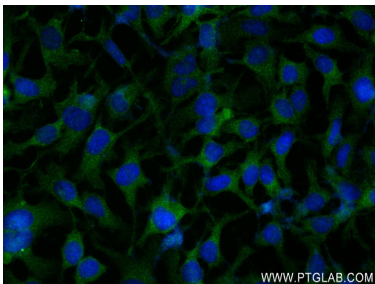
Various lysates were subjected to SDS PAGE followed by western blot with 84581-3-RR (TRAF2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



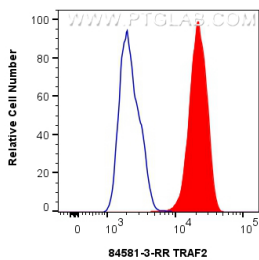
Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 84581-3-RR (TRAF2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



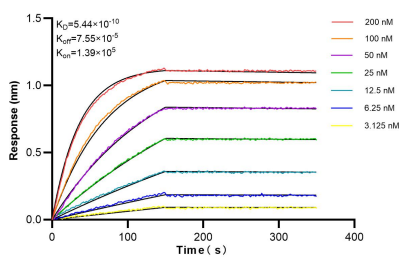
Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 84581-3-RR (TRAF2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using TRAF2 antibody (84581-3-RR, Clone: 241899A2 ) at dilution of 1:250 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.25 ug TRAF2 Recombinant antibody (84581-3-RR, Clone:241899A2) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 84581-3-RR against Human TRAF2 were performed. The affinity constant is 0.544 nM.