

For Research Use Only

# TRAF5 Monoclonal antibody

Catalog Number: 66991-1-Ig



## Basic Information

<b>Catalog Number:</b> 66991-1-Ig	<b>GenBank Accession Number:</b> BC029600	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 2100 µg/ml	<b>GeneID (NCBI):</b> 7188	<b>CloneNo.:</b> 1B1A7
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O00463	<b>Recommended Dilutions:</b> WB 1:1000-1:6000
<b>Isotype:</b> IgG1	<b>Full Name:</b> TNF receptor-associated factor 5	
<b>Immunogen Catalog Number:</b> AG26070	<b>Calculated MW:</b> 557 aa, 64 kDa	
	<b>Observed MW:</b> 64 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, PC-3 cells, LNCaP cells
<b>Species Specificity:</b> Human	

## Background Information

TRAF5 (also known as TNF receptor-associated factor 5, Ring finger protein 84, RNF8, MGC:39780) is a member of the tumor necrosis factor receptor-associated (TRAF) family of proteins that are characterized by the presence of a meprin and TRAF homology (MATH) domain, a RING-type zinc finger domain, and two TRAF-type zinc finger domains (<https://www.uniprot.org/uniprot/O00463>). TRAF5 is a scaffold protein that associates with and mediates signal transduction by cell surface receptors belonging to the tumor necrosis factor (TNF) superfamily, including CD27, CD30, CD40, and Lymphotoxin-β receptor, positively regulating activation of the canonical NF-κB pathway and c-Jun NH2-terminal kinase (JNK) activation by these receptors (PMIDs: 8999898, 9582383, 8790348, 8663299). The RING-type zinc finger domain of TRAF5 exhibits ubiquitin protein ligase activity and is responsible for Lys-63-linked polyubiquitination of protein targets (PMIDs: 23758787, 29176576). This domain has been demonstrated to be required for TRAF5-mediated activation of NF-κB (PMID: 8663299).

## 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:

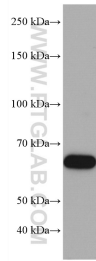
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## Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 66991-1-Ig (TRAF5 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.