

# TRAF5 Monoclonal antibody

Catalog Number: 66991-1-Ig

## Basic Information

**Catalog Number:**

66991-1-Ig

**Size:**

2100 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG26070

**GenBank Accession Number:**

BC029600

**GeneID (NCBI):**

7188

**UNIPROT ID:**

O00463

**Full Name:**

TNF receptor-associated factor 5

**Calculated MW:**

557 aa, 64 kDa

**Observed MW:**

64 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

1B1A7

**Recommended Dilutions:**

WB 1:1000-1:6000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

Human

**Positive Controls:**

WB: HeLa cells, PC-3 cells, LNCaP cells

## 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:**

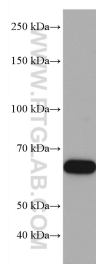
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## 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.