

# TRAF1 Polyclonal antibody

Catalog Number: 11543-1-AP

1 Publications

## Basic Information

**Catalog Number:**

11543-1-AP

**Size:**

150ul , Concentration: 233 µg/ml by Bradford method using BSA as the standard;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG2131

**GenBank Accession Number:**

BC024145

**GeneID (NCBI):**

7185

**UNIPROT ID:**

Q13077

**Full Name:**

TNF receptor-associated factor 1

**Calculated MW:**

416 aa, 46 kDa

**Observed MW:**

46-50 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

## Applications

**Tested Applications:**

WB, ELISA

**Cited Applications:**

WB

**Species Specificity:**

human, mouse, rat

**Cited Species:**

mouse

**Positive Controls:**

WB : Jurkat cells,

## Background Information

TRAF1 is a member of the TNF receptor (TNFR) associated factor (TRAF) protein family. TRAF proteins associate with, and mediate the signal transduction from various receptors of the TNFR superfamily. TRAF1 and TRAF2 form a heterodimeric complex, which is required for TNF- $\alpha$ -mediated activation of MAPK8/JNK and NF- $\kappa$ B. The protein complex formed by this protein and TRAF2 also interacts with inhibitor-of-apoptosis proteins (IAPs), and thus mediates the anti-apoptotic signals from TNF receptors. The expression of this protein can be induced by Epstein-Barr virus (EBV). EBV infection membrane protein 1 (LMP1) is found to interact with this and other TRAF proteins; this interaction is thought to link LMP1-mediated B lymphocyte transformation to the signal transduction from TNFR family receptors. TRAF1 is observed at 45-50 kDa in western blotting, and the additional bands of lower molecular weight (~30 kDa) may represent TRAF1 cleavage fragments, similar to the results obtained by the article (PMID:11098060).

## Notable Publications

Author	Pubmed ID	Journal	Application
Mengmeng You	31820078	Eur J Nutr	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

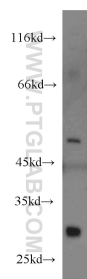
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## Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 11543-1-AP (TRAF1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.