

**TRAF6 Antibody (C-Terminus)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS11290****Specification****TRAF6 Antibody (C-Terminus) - Product Information**

Application	ICC, IF, IHC
Primary Accession	<a href="#">Q9Y4K3</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	60kDa KDa

**TRAF6 Antibody (C-Terminus) - Additional Information****Gene ID** 7189**Other Names**

TNF receptor-associated factor 6, 6.3.2.-, E3 ubiquitin-protein ligase TRAF6, Interleukin-1 signal transducer, RING finger protein 85, TRAF6, RNF85

**Target/Specificity**

peptide corresponding to 14 amino acids near the C-terminus of human TRAF6

**Reconstitution & Storage**

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

**Precautions**

TRAF6 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**TRAF6 Antibody (C-Terminus) - Protein Information****Name** TRAF6**Synonyms** RNF85**Function**

E3 ubiquitin ligase that, together with UBE2N and UBE2V1, mediates the synthesis of 'Lys-63'-linked-polyubiquitin chains conjugated to proteins, such as ECSIT, IKBKG, IRAK1, AKT1 and AKT2 (PubMed: [31620128](http://www.uniprot.org/citations/31620128), PubMed: [11057907](http://www.uniprot.org/citations/11057907), PubMed: [18347055](http://www.uniprot.org/citations/18347055), PubMed: [19713527](http://www.uniprot.org/citations/19713527), PubMed: [19465916](http://www.uniprot.org/citations/19465916)). Also mediates ubiquitination of free/unanchored polyubiquitin chain that leads to MAP3K7 activation (PubMed: [19675569](http://www.uniprot.org/citations/19675569)). Leads to the

activation of NF-kappa-B and JUN (PubMed:<a href="http://www.uniprot.org/citations/16378096" target="\_blank">16378096</a>, PubMed:<a href="http://www.uniprot.org/citations/17135271" target="\_blank">17135271</a>, PubMed:<a href="http://www.uniprot.org/citations/17703191" target="\_blank">17703191</a>). Seems to also play a role in dendritic cells (DCs) maturation and/or activation (By similarity). Represses c-Myb-mediated transactivation, in B-lymphocytes (PubMed:<a href="http://www.uniprot.org/citations/18093978" target="\_blank">18093978</a>, PubMed:<a href="http://www.uniprot.org/citations/18758450" target="\_blank">18758450</a>). Adapter protein that seems to play a role in signal transduction initiated via TNF receptor, IL-1 receptor and IL-17 receptor (PubMed:<a href="http://www.uniprot.org/citations/8837778" target="\_blank">8837778</a>, PubMed:<a href="http://www.uniprot.org/citations/19825828" target="\_blank">19825828</a>, PubMed:<a href="http://www.uniprot.org/citations/12140561" target="\_blank">12140561</a>). Regulates osteoclast differentiation by mediating the activation of adapter protein complex 1 (AP-1) and NF-kappa-B, in response to RANK-L stimulation (By similarity). Together with MAP3K8, mediates CD40 signals that activate ERK in B-cells and macrophages, and thus may play a role in the regulation of immunoglobulin production (By similarity). Participates also in the TCR signaling by ubiquitinating LAT (PubMed:<a href="http://www.uniprot.org/citations/25907557" target="\_blank">25907557</a>, PubMed:<a href="http://www.uniprot.org/citations/23514740" target="\_blank">23514740</a>).

#### **Cellular Location**

Cytoplasm. Cytoplasm, cell cortex. Nucleus. Lipid droplet {ECO:0000250|UniProtKB:P70196}. Note=Found in the nuclei of some aggressive B-cell lymphoma cell lines as well as in the nuclei of both resting and activated T- and B-lymphocytes. Found in punctate nuclear body protein complexes. Ubiquitination may occur in the cytoplasm and sumoylation in the nucleus. RSAD2/viperin recruits it to the lipid droplet (By similarity).

#### **Tissue Location**

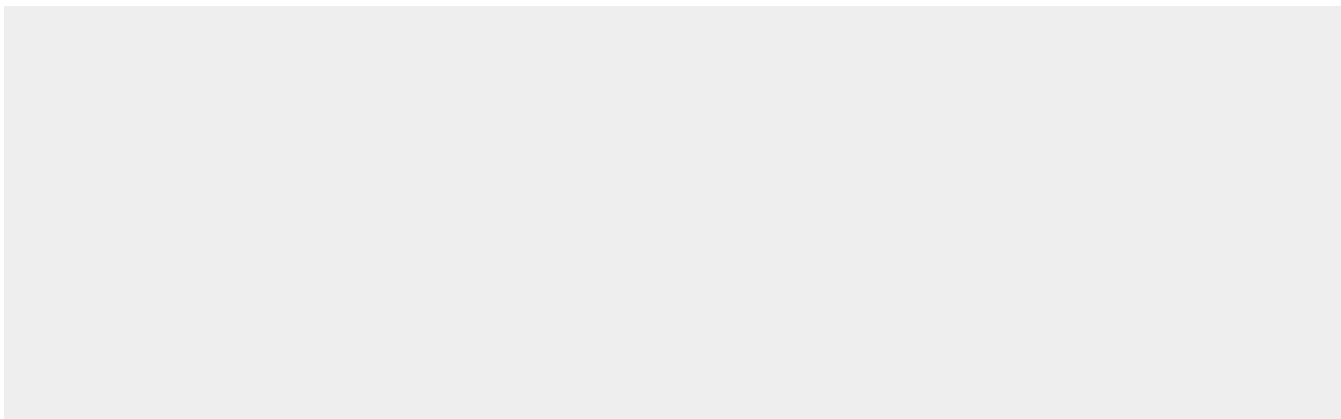
Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas

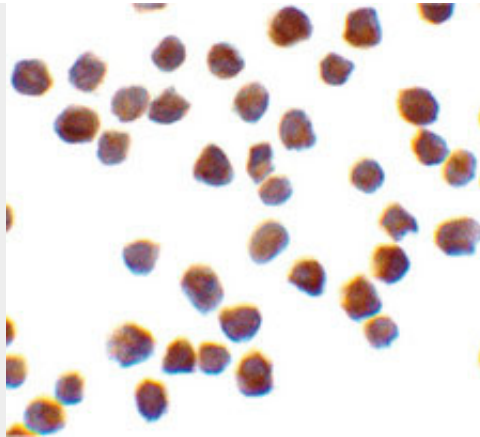
### **TRAF6 Antibody (C-Terminus) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

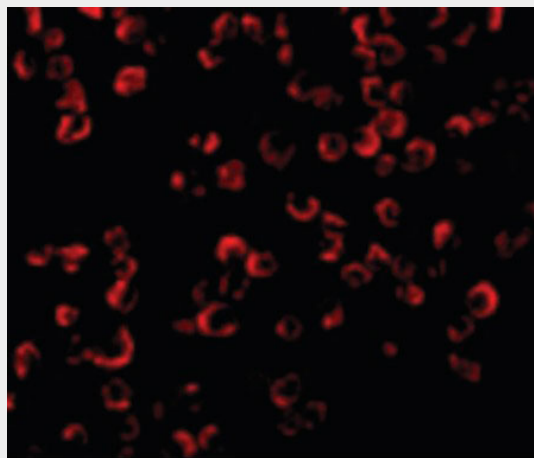
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **TRAF6 Antibody (C-Terminus) - Images**

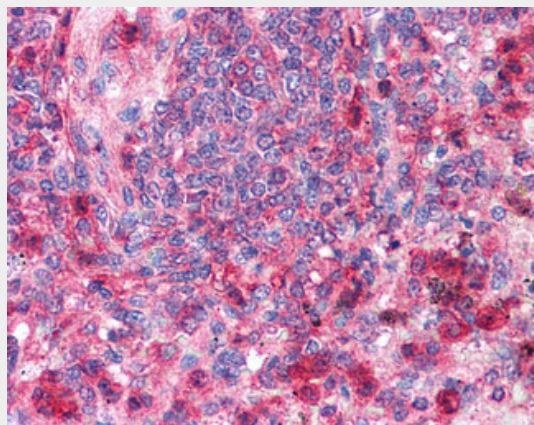




Immunocytochemistry of TRAF6 in K562 cells with TRAF6 antibody at 0.5 ug/ml.



Immunofluorescence of TRAF6 in K562 cells with TRAF6 antibody at 20 ug/ml.



Anti-TRAF6 antibody IHC of human spleen.

#### **TRAF6 Antibody (C-Terminus) - Background**

E3 ubiquitin ligase that, together with UBE2N and UBE2V1, mediates the synthesis of 'Lys-63'-linked-polyubiquitin chains conjugated to proteins, such as IKBKG, IRAK1, AKT1 and AKT2. Also mediates ubiquitination of free/unanchored polyubiquitin chain that leads to MAP3K7 activation. Leads to the activation of NF-kappa-B and JUN. May be essential for the formation of functional osteoclasts. Seems to also play a role in dendritic cells (DCs) maturation and/or activation. Represses c- Myb-mediated transactivation, in B-lymphocytes. Adapter protein that seems to play a role in signal transduction initiated via TNF receptor, IL-1 receptor and IL-17

receptor. Regulates osteoclast differentiation by mediating the activation of adapter protein complex 1 (AP-1) and NF-kappa-B, in response to RANK-L stimulation. Together with MAP3K8, mediates CD40 signals that activate ERK in B-cells and macrophages, and thus may play a role in the regulation of immunoglobulin production.

#### **TRAF6 Antibody (C-Terminus) - References**

Cao Z.,et al.Nature 383:443-446(1996).

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Taylor T.D.,et al.Nature 440:497-500(2006).

Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Malinin N.L.,et al.Nature 385:540-544(1997).