

Product Name: TRAF6 (6S7) Rabbit Monoclonal Antibody
Catalog #: AMRe19188

Summary

Production Name	TRAF6 (6S7) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Immunogen

Gene Name	TRAF6
Alternative Names	TNF receptor-associated factor 6; E3 ubiquitin-protein ligase TRAF6; Interleukin-1 signal transducer; RING finger protein 85; TRAF6; RNF85; TRAF 6; TRAF-6;
Gene ID	7189.0
SwissProt ID	Q9Y4K3.

Application

Dilution Ratio	WB 1:500-1:2000
Molecular Weight	60kDa

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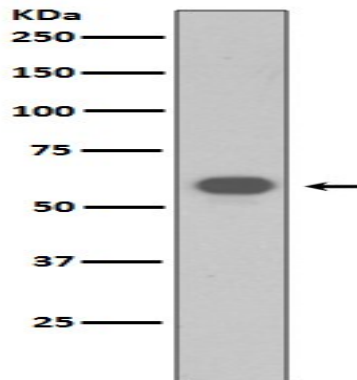
Background

TRAFs (TNF receptor-associated factors) are a family of multifunctional adaptor proteins that bind to surface receptors and recruit additional proteins to form multiprotein signaling complexes capable of promoting cellular responses. Members of the TRAF family share a common carboxy-terminal TRAF domain which mediates interactions with associated proteins; many also contain amino-terminal Zinc/RING finger motifs. 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 (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:[16378096](http://www.uniprot.org/citations/16378096), PubMed:[17135271](http://www.uniprot.org/citations/17135271)). 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:[18093978](http://www.uniprot.org/citations/18093978), PubMed:[18758450](http://www.uniprot.org/citations/18758450)). Adapter protein that seems to play a role in signal transduction initiated via TNF receptor, IL-1 receptor and IL-17 receptor (PubMed:[8837778](http://www.uniprot.org/citations/8837778), PubMed:[19825828](http://www.uniprot.org/citations/19825828), PubMed:[12140561](http://www.uniprot.org/citations/12140561)). 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).

Research Area

Image Data

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Western blot analysis of TRAF6 expression in NIH/3T3 cell lysate.

Note

For research use only.