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Product datasheet for TA336357

TRAF6 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, WB
Recommended Dilution:	Flow Cytometry, Western Blot: 3-5 ug/ml
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Anti-TRAF6 polyclonal antibody was raised against a peptide corresponding to amino acids between 410 and 460 of human TRAF6.
Formulation:	PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Protein G purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	TNF receptor associated factor 6
Database Link:	NP_004611 Entrez Gene 22034 MouseEntrez Gene 7189 Human Q9Y4K3

View online »

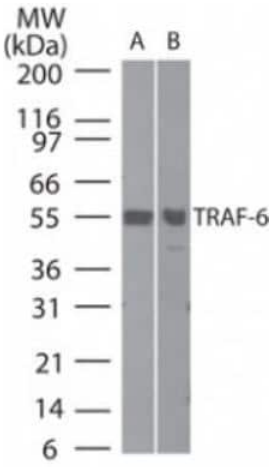
Background: Tumor necrosis factor (TNF) induced signaling is mediated through association of TNF receptor (TNFR) with adaptor proteins, such as TNF receptor associated proteins (TRAFs). TRAFs form a family of cytoplasmic adapter proteins that mediate signal transduction from many members of the TNF-receptor superfamily (e.g. RANK, CD30, CD40, etc.) and the interleukin-1 receptor. The carboxy-terminal region of TRAFs is required for self-association and interaction with receptor cytoplasmic domains following ligand-induced oligomerization. Recent molecular cloning studies have lead to identification of six TRAFs (TRAF1-TRAF6) (1-4). Recently it has been shown that TRANCE/OPGL activates the antiapoptotic serine/threonine kinase Akt/PKB through a signaling complex involving c-Src and TRAF6 (5). Mice deficient in TNF receptor-associated factor 6 (TRAF6) are osteopetrotic with defects in bone remodeling and tooth eruption due to impaired osteoclast function (6). Like TRAF2 and TRAF3, TRAF6 is also essential for perinatal and postnatal survival. These findings establish unexpectedly diverse and critical roles for TRAF6 in perinatal and postnatal survival, bone metabolism, LPS, and cytokine signaling. RANK (TRANCE receptor) interacts with various TRAFs through distinct motifs and activates NF-kB via a novel TRAF6 interaction motif, which then activates NIK, thus leading to NF-kB activation (7). Over-expression of TRAF6 activates JNK, p38, or IKK in the absence of extracellular stimulation.

Synonyms: MGC:3310; RNF85

Protein Families: Druggable Genome

Protein Pathways: Endocytosis, MAPK signaling pathway, Neurotrophin signaling pathway, NOD-like receptor signaling pathway, Pathways in cancer, RIG-I-like receptor signaling pathway, Small cell lung cancer, Toll-like receptor signaling pathway, Ubiquitin mediated proteolysis

Product images:



Western Blot: TRAF-6 Antibody TA336357 - Analysis of TRAF-6 using TA336357 in A) human thymus cell lysate and B) human testis cell lysate.