Rabbit anti-Human TRAF1 Polyclonal Antibody | anti-TRAF1 antibody

Anti-TRAF1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125606	**Rabbit**	**Human**	**ELISA, Flow Cytometry, Functional Assay, Western Blot**

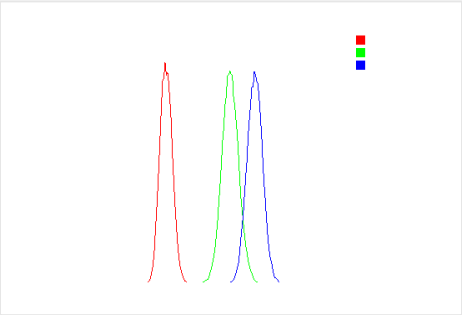
PRODUCT SYNONYMS

TRAF1; Polyclonal Antibody; Anti-TRAF1 Antibody; EBI6; TNF receptor-associated factor 1; Epstein-Barr virus-induced protein 6; TNF receptor associated factor 1; anti-TRAF1 antibody

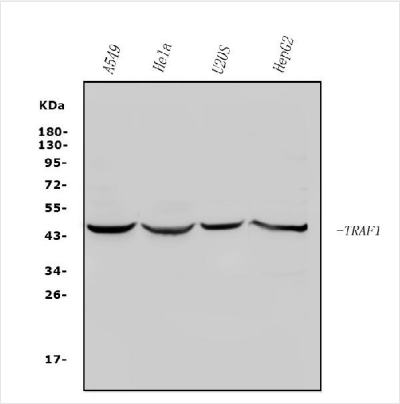
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rabbit IgG polyclonal antibody for TRAF1 detection.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.01mg NaN3.
Applicable Applications for anti-TRAF1 antibody	ELISA (Direct ELISA), FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E Coli-derived human TRAF1 recombinant protein (Position: D14-D404).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Recommended Detection Systems	Recommended Detection Systems
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of A549 cells using anti-TRAF1 antibody (AAA125606).Overlay histogram showing A549 cells stained with AAA125606 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-TRAF1 Antibody (AAA125606, 1μg/1x106 cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG (5-10μg/1x106 cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1μg/1x106) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)
Figure 1. Western blot analysis of TRAF1 using anti-TRAF1 antibody (AAA125606).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane 1: human A549 whole cell lysatesLane 2: human HELA whole cell lysatesLane 3: human U20S whole cell lysatesLane 4: human HEPG2 whole cell lysates.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1. 5 hour at RT. The membrane was incubated with rabbit anti-TRAF1 antigen affinity purified polyclonal antibody (Catalog # AAA125606) at 0. 5 μg/mL overnight at 4 degree C, then washed with TBS-0. 1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1. 5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for TRAF1 at approximately 46KD. The expected band size for TRAF1 is at 46KD.

ADDITIONAL INFORMATION

Related Product Information for anti-TRAF1 antibody	TRAF1(TNF Receptor-Associated Factor 1), also called EBI6, is a protein that in humans is encoded by the TRAF1 gene. The protein encoded by this gene is a member of the TNF receptor(TNFR) associated factor(TRAF) protein family. Siemienski et al. (1997) used fluorescence in situ hybridization to map the TRAF1 gene to 9q33-q34. Mosialos et al. (1995) found that LMP1, the EBV-transforming protein, specifically associates with LAP1(TRAF3) or EBI6 in B lymphoblasts. LMP1 expression redirects LAP1 and EBI6 from scattered cytoplasmic structures to LMP1 plasma membrane patches. Both LAP1 and EBI6 associated with the cytoplasmic domain of p80/TNFR2 in vivo.
References	1. Mosialos, G., Birkenbach, M., Yalamanchili, R., VanArsdale, T., Ware, C., Kieff, E. The Epstein-Barr virus transforming protein LMP1 engages signaling proteins for the tumor necrosis factor receptor family. Cell 80: 389-399, 1995. 2. Siemienski, K., Peters, N., Scheurich, P., Wajant, H. Organization of the human tumour necrosis factor receptor-associated factor 1 (TRAF1) gene and mapping to chromosome 9q33-34. Gene 195: 35-39, 1997. 3. Tsitsikov, E. N., Laouini, D., Dunn, I. F., Sannikova, T. Y., Davidson, L., Alt, F. W., Geha, R. S. TRAF1 is a negative regulator of TNF signaling: enhanced TNF signaling in TRAF1-deficient mice. Immunity 15: 647-657, 2001.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6707734
NCBI GeneID	7185
UniProt Accession #	Q13077; Q658U1; Q8NF13; B4DJ77
Molecular Weight	416
NCBI Official Full Name	TNF receptor-associated factor 1
NCBI Official Synonym Full Names	TNF receptor-associated factor 1
NCBI Official Symbol	TRAF1
NCBI Official Synonym Symbols	EBI6; MGC:10353

NCBI Protein Information	TNF receptor-associated factor 1; Epstein-Bar virus-induced protein 6
UniProt Protein Name	TNF receptor-associated factor 1
UniProt Gene Name	**TRAF1**
UniProt Synonym Gene Names	EBI6
UniProt Entry Name	TRAF1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/polyclonal/traf1-antibody-direct-elisa-flow-cytometry-western-blot-elisa/125606