

Anti-TRAF6 Antibody

Catalog Number: A00185-1

About TRAF6

Signals from the IL-1 receptor (IL-1R)/Toll-like receptor (TLR) and TNF receptor (TNFR) superfamilies are critical for regulating the function of antigen-presenting cells. Signals transduced by these molecules lead to increased expression and activation of transcription factors such as NF-kappaB. TNF receptor-associated factor 6 (TRAF6) is unique in that it is a signaling adapter molecule common to both families. TRAF6 is important in cytokine production, dendritic cell (DC) maturation, and the T cell stimulatory capacity of DCs in response to TLR and CD40 ligands. It can be activated in the IL-1R/TLR signaling pathway by IL-1 receptor-associated kinase 1 (IRAK-1) or by other TLR adaptor molecules such as TRIF. Also, it has been shown that TRAF6 can interact directly with TNFR family members CD40 and RANK.

Overview

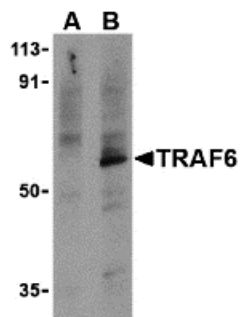
Product Name	Anti-TRAF6 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-TRAF6 Antibody (Catalog # A00185-1). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	TRAF6 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	TRAF6 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q9Y4K3

Technical Details

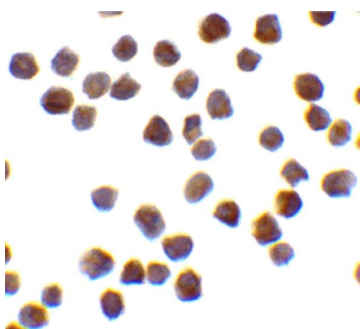
Immunogen	TRAF6 antibody was raised against a peptide corresponding to 14 amino acids near the C-terminus of human TRAF6. The immunogen is located within the last 50 amino acids of TRAF6.
Predicted Reactive Species	Bovine, Pig
Cross Reactivity	At least three isoforms of IRF3 are known to exist.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL

Purification	TRAF6 Antibody is Ion exchange chromatography purified.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: TRAF6 antibody can be used for detection of TRAF6 by Western blot at 1 ug/mL. Antibody can also be used for immunocytochemistry starting at 10 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

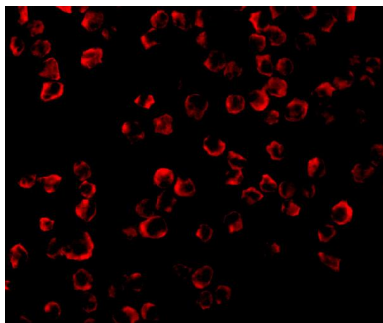
Anti-TRAF6 Antibody (A00185-1) Images



Western blot analysis of TRAF6 in PC-3 cell lysates with TRAF6 antibody at 1 ug/mL in the presence (A) or absence (B) of 1 ug blocking peptide.



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.

1 Publications Citing This Product

1. PubMed ID: 32855700, Liu L, Liu F, Sun Z, Peng Z, You T, Yu Z. LncRNA NEAT1 promotes apoptosis and inflammation in LPS-induced sepsis models by targeting miR-590-3p. Exp Ther Med. 2020 Oct; 20(4):3290-3300. doi:10.3892/etm.2020.9079. Epub 2020 Jul 29. PMID:32855700; PMCID:PMC7444425.

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