

Human TRAF-6 Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF3284

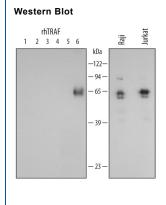
DESCRIPTION		
Species Reactivity	Human	
Specificity	Detects human TRAF-6 in Western blots. In Western blots, less than 1% cross-reactivity with recombinant human TRAF-1, -2, -3, -4, and is observed.	
Source	Polyclonal Goat IgG	
Purification	Antigen Affinity-purified	
Immunogen	E. coli-derived recombinant human TRAF-6 Met1-Val522 Accession # Q9Y4K3	
Formulation	ulation Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.	

APPLICATIONS

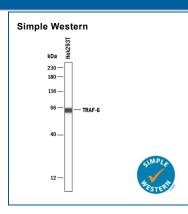
Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	1 μg/mL	See Below
Simple Western	10 μg/mL	HEK293T human embryonic kidney cell line

DATA



Detection of Human TRAF-6 by Western Blot. Western blot shows lysates of Raji human Burkitt's lymphoma cell line and Jurkat human acute T cell leukemia cell line. PVDF membrane was probed with 1 µg/mL Goat Anti-Human TRAF-6 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3284) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF017). For additional reference, recombinant human TRAF-1, TRAF-2, TRAF-3, TRAF-4, -TRAF5, and TRAF-6 (2 ng/lane) were included. A specific band for TRAF-6 was detected at approximately 60 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 2.



Detection of Human TRAF-6 by Simple Western[™]. Simple Western lane view shows lysates of HEK293T human embryonic kidney cell line, loaded at 0.2 mg/mL. A specific band was detected for TRAF-6 at approximately 63 kDa (as indicated) using 10 µg/mL of Goat Anti-Human TRAF-6 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3284) This experiment was conducted under reducing conditions and using the 12-230 kDa separation system

PREPARATION AND STORAGE

Reconstitution Reconstitute at 0.2 mg/mL in sterile PBS.

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

- 12 months from date of receipt, -20 to -70 °C as supplied
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Tumor Necrosis Factor (TNF) Receptor-Associated Factors (TRAFs) are a family of adaptor proteins that interact with a wide range of cell surface receptors and participate in the regulation of cell survival, proliferation, differentiation, and stress response. TRAFs were identified by their ability to form complexes with TNF receptor superfamily members but more recently are reported to also bind to Toll/IL-1 receptor family members and mediate cellular signaling. Six members of the TRAF family have been identified. All TRAF proteins have a homologous C-terminal TRAF domain that can bind the cytoplasmic domain of receptors as well as other TRAFs. TRAFs2-6 have N-terminal RING and zinc finger domains that are involved in signaling downstream events. TRAF-6 is a 522 amino acid, 60 kDa protein. Overexpression of TRAF-6 mediates the activation of NF-kappa-B and JNK signaling pathways. TRAF-3 and TRAF-6 have been identified as adaptor molecules involved in TLR/IL-1R signaling events.

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