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TRAF1 Polyclonal Antibody

Catalog # AP73958

Product Information

Application	WB, E
Primary Accession	Q13077
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46164

Additional Information

Gene ID	7185
Other Names	TNF receptor-associated factor 1 (Epstein-Barr virus-induced protein 6)
Dilution	WB~~WB 1:500-2000, ELISA 1:10000-20000 E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

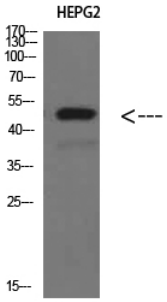
Protein Information

Name	TRAF1
Synonyms	EBI6
Function	Adapter molecule that is involved in multiple signaling pathways including the NF-kappa-B and MAPK pathways and thus influences inflammatory and apoptotic responses. Plays a critical role in regulating T-cell activation both through restricting the costimulation-independent activation of NIK in activated T-cells and by promoting the TNFRSF9-induced classical NF-kappa-B pathway (By similarity). Forms a heterotrimer with TRAF2 as part of an E3 ubiquitin-protein ligase complex that mediates ubiquitination of target proteins such as MAP3K14 and gasdermin D/GSDMD (PubMed:40097387). This complex also recruits the antiapoptotic E3 ligases BIRC2 and BIRC3 to TNFRSF1B/TNFR2 (PubMed:19287455). Acts downstream of MAVS within the RIG-I/MAVS antiviral pathway to enhance type I interferon signaling (PubMed:38995016). Regulates osteoclastogenesis by preventing ubiquitination and degradation of MLST8, thereby promoting PI3K-AKT signaling and enhancing oxidative phosphorylation in osteoclasts (By similarity).
Cellular Location	Cytoplasm.

Background

Adapter molecule that regulates the activation of NF- kappa-B and JNK. Plays a role in the regulation of cell survival and apoptosis. The heterotrimer formed by TRAF1 and TRAF2 is part of a E3 ubiquitin-protein ligase complex that promotes ubiquitination of target proteins, such as MAP3K14. The TRAF1/TRAF2 complex recruits the antiapoptotic E3 protein- ubiquitin ligases BIRC2 and BIRC3 to TNFRSF1B/TNFR2.

Images



Western Blot analysis of HEPG2 cells using TRAF1 Polyclonal Antibody diluted at 1:500. Secondary antibody was diluted at 1:20000

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.