

TRAF Antibody Sampler Kit

Cat# AK0273

Upon receipt, store at -20°C. Avoid freeze/thaw cycles.

PRODUCT DESCRIPTION

TRAFs (TNF receptor-associated factors) are a family of multifunctional adaptor proteins that bind to surface receptors and recruit additional proteins to form multiprotein signaling complexes capable of promoting cellular responses. Members of the TRAF family share a common carboxy-terminal "TRAF domain", which mediates interactions with associated proteins; many also contain amino-terminal Zinc/RING finger motifs. The first TRAFs identified, TRAF1 and TRAF2, were found by virtue of their interactions with the cytoplasmic domain of TNF-receptor 2 (TNFR2). The six known TRAFs (TRAF1-6) act as adaptor proteins for a wide range of cell surface receptors and participate in the regulation of cell survival, proliferation, differentiation, and stress responses. While TRAF2 was originally described through its interaction with TNFR2, it has since been shown to interact with other surface receptors including CD27, CD30, CD40, 4-1BB, Ox40, HVEM/ATAR, and LMP-1. TRAF2 also associates with a large number of intracellular proteins, including TRADD, FADD, I-TRAF/TANK, TRIP, A20, c-IAP1 and 2, Casper, RIP, and NIK, which help to regulate cell survival. Dominant negative and knockout studies have shown that TRAF2 plays an important role in TNF-mediated activation of NF- κ B and the MAPK/JNK kinase pathway. TRAF6 plays a critical role in innate and adaptive immunity, bone metabolism, and development of certain tissues including the nervous system. TRAF6 deficiency results in osteopetrosis and defective IL-1, CD40, and LPS signaling as well as defects in neuronal development. Unlike other TRAF family members that mediate signaling through TNF, TRAF6 has unique binding activities that result in signaling responses from the interleukin-1 receptor (IL-1R), toll-like receptor, CD, RANK, and p75 neurotrophin receptor. TRAF6 associates directly with CD40 and RANK, and indirectly with IL-1R/TLR through IRAK. This leads to activation of NF- κ B and MAP kinase signaling pathways through downstream association with the TAB/TAK-1 complex. TRA

PRODUCT INCLUDES

Cat No.	Product name	Quantity	Applications	Reactivity	Host
A340108	TRAF1 Polyclonal Antibody	20 μ L	WB, IHC, ELISA	Human, Mouse	Rabbit
A340689	TRAF2 Polyclonal Antibody	20 μ L	WB, IHC, ELISA	Human	Rabbit
A340154	TRAF3 Polyclonal Antibody	20 μ L	WB, IHC, ELISA	Human, Mouse	Rabbit

A1013s	Goat Anti-Rabbit IgG (H+L) (peroxidase/HRP conjugated)	120μL	WB, ELISA	Rabbit	Goat
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PRODUCT USE LIMITATION

These products are intended for research use only.