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Datasheet for ABIN967631 anti-TRAF2 antibody (AA 93-199)

3 Images

7 Publications



Overview

Quantity:	0.1 mg
Target:	TRAF2
Binding Specificity:	AA 93-199
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TRAF2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Brand:	BD Pharmingen™
Immunogen:	Human TRAF2 aa. 93-199
Clone:	C90-481
Isotype:	IgG2a kappa
Characteristics:	 Since applications vary, each investigator should titrate the reagent to obtain optimal results. Please refer to us for technical protocols. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

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Target Details	
Target:	TRAF2
Alternative Name:	TRAF2 (TRAF2 Products)
Background:	TRAFs (TNF receptor associated factors) are signal transducing molecules which participate in forming TNF/Nerve Growth Factor receptor-associated signalling complexes. TRAF proteins share a novel C-terminal homology region, the TRAF" domain, a coiled-coiled region and the majority have Zinc/RING finger motifs. At least six TRAF proteins (TRAFs 1-6) have been identified. These proteins are cytoplasmic adapters, they bind to cytoplasmic domains of various receptors and can function to recruit other proteins to a signaling complex thereby promoting intracellular signal transduction. Specifically, TRAF2 has been shown to interact with the following surface receptors: TNFRII, CD27, CD30, CD40, 4-1BB, Ox40, HVEM/ATAR and LMP-1. TRAF2 has also been shown to associate with intracellular proteins, including TRADD, FADD, I-TRAF/TANK, TRIP, A20, c-IAP1 and 2, Casper, RIP and NIK. Thus, the interaction of TRAF2 with these various receptors and intracellular proteins plays an important role modulating downstream events which can result in inducing cell death or keeping cells alive. For example, cells deficient in TRAF2 demonstrated increased sensitivity to TNF-induced cell death, but a decrease in TNF-induced JNK activation, and little change on NF-kB activation. TRAF2 is detected at ~ 53 kDa in western blot analysis. The C90-481 antibody reacts with human TRAF2 was used as immunogen.
Molecular Weight:	53 kDa
Pathways:	NF-kappaB Signaling, Apoptosis, Caspase Cascade in Apoptosis, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Production of Molecular Mediator of Immune Response, Positive Regulation of Endopeptidase Activity, Hepatitis C, Unfolded Protein Response, S100 Proteins
Application Details	
Application Notes:	Applications include western blot analysis (1-2 μg/ml). Human cell lines including Jurkat T cells (ATCC TIB-152), 293 adenovirus-transformed kidney cells (ATCC CRL-1573) and Daudi Burkitt lymphoma cells (ATCC CCL-213) are recommended as positive controls.
Comment:	Related Products: ABIN967389, ABIN968537
Restrictions:	For Research Use only

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Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Aqueous buffered solution containing ≤ 0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store undiluted at 4°C.

Publications

Product cited in:

Arch, Gedrich, Thompson: "Translocation of TRAF proteins regulates apoptotic threshold of cells." in: **Biochemical and biophysical research communications**, Vol. 272, Issue 3, pp. 936-45, (2000) (PubMed).

Arch, Gedrich, Thompson: "Tumor necrosis factor receptor-associated factors (TRAFs)--a family of adapter proteins that regulates life and death." in: **Genes & development**, Vol. 12, Issue 18, pp. 2821-30, (1998) (PubMed).

Shu, Takeuchi, Goeddel: "The tumor necrosis factor receptor 2 signal transducers TRAF2 and c-IAP1 are components of the tumor necrosis factor receptor 1 signaling complex." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 93,

Issue 24, pp. 13973-8, (1997) (PubMed).

Tsitsikov, Wright, Geha: "CD30 induction of human immunodeficiency virus gene transcription is mediated by TRAF2." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 94, Issue 4, pp. 1390-5, (1997) (PubMed).

Yeh, Shahinian, Speiser, Kraunus, Billia, Wakeham, de la Pompa, Ferrick, Hum, Iscove, Ohashi, Rothe, Goeddel, Mak: "Early lethality, functional NF-kappaB activation, and increased sensitivity to TNF-induced cell death in TRAF2-deficient mice." in: **Immunity**, Vol. 7, Issue 5, pp. 715-25, (1997) (PubMed).

There are more publications referencing this product on: Product page



Western Blotting

Image 1. Western blot analysis of TRAF2. Lysates from Jurkat human T cells were probed with anti-human TRAF2 (clone C90-481) at 5.0 myg/ml (lane 1), 2.0 myg/ml (lane 2), and 1.0 myg/ml (lane 3). TRAF2 was detected at ~53 kDa

Image 2.





Western Blotting

Image 3.

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