

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects endogenous human, mouse, and rat TRAF-3 in Western blots. In Western blots, this antibody does not cross-react with recombinant human TRAF-1, -2, -4, -5, or -6.
Source	Monoclonal Rat IgG _{2A} Clone # 433113
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human TRAF-3 Met1-Pro543 Accession # NP_663778
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

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

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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. Seven 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. TRAFs 2-6 have N-terminal RING and zinc finger domains that are involved in signaling downstream events. Two isoforms of TRAF-3 have been identified, a 568 amino acid, 64 kDa protein (isoform 1, also known as CD40BP and CRAF1) and a 543 amino acid, 62 kDa protein (isoform 2, also known as CAP1 and LAP1). TRAF-3 has been shown bind specifically to the PEQET sequence motif on the cytoplasmic domain of CD40. TRAF-3 and TRAF-6 have also been identified as being involved in TLR signaling events.

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