TRAF6 Conjugated Antibody

Catalog No: #C32102

Package Size: #C32102-AF350 100ul #C32102-AF405 100ul #C32102-AF488 100ul #C32102-AF555 100ul #C32102-AF594 100ul #C32102-AF647 100ul #C32102-AF680 100ul #C32102-AF750 100ul #C32102-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	TRAF6 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total TRAF6 protein.
Immunogen Description	Recombinant protein of human TRAF6.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	TRAF6;MGC:3310;RNF85
Accession No.	Swiss-Prot#:Q9Y4K3NCBI Gene ID:7189
Uniprot	Q9Y4K3
GeneID	7189;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	60
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Product Description

Antibodies were purified by affinity purification using immunogen.

Background

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 (1-3). 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 (TNFRII) (4). 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.

TRAF6 plays a critical role in innate and adaptive immunity, bone metabolism, and development of certain tissues including the nervous system (5).TRAF6 deficiency results in osteopetrosis and defective IL-1, CD40, and LPS signaling (6) as well as defects in neuronal development (7). Unlike other TRAF family members that mediate signaling through TNF, TRAF6 has unique binding activities (8) that result in signaling responses from the interleukin-1 receptor (IL-1R) (9), toll-like receptor (10,11), CD40 (12), RANK (13,14), and p75 neurotrophin receptor (15). TRAF6 associates directly with CD40 and RANK, and indirectly with IL-1R/TLR through IRAK (10). This leads to activation of NF-κB and MAP kinase signaling pathways through downstream association with the TAB/TAK-1 complex (16). TRAF6 also activates Src family nonreceptor tyrosine kinases leading to Akt activation (17).

Note: This product is for in vitro research use only