Rabbit TRAF4 Polyclonal Antibody | anti-TRAF4 antibody

TRAF4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325362	**Rabbit**	**Human, Mouse, Rat**	**ELISA, Immunocytochemistry, Immunofluorescence, Western Blot**

PRODUCT SYNONYMS

TRAF4; Polyclonal Antibody; TRAF4 Antibody; CART 1; CART1; cysteine rich domain associated with ring and TRAF domain; Cysteine rich domain associated with RING and Traf domains protein 1; Cysteine-rich domain associated with RING and Traf domains protein 1; Malignant 62; Metastatic lymph node gene 62 protein; MLN 62; MLN62; RING finger protein 83; RNF 83; RNF83; TNF receptor associated factor 4; TNF receptor-associated factor 4; TRAF 4; Traf4; TRAF4_HUMAN; tumor necrosis receptor-associated factor 4A; anti-TRAF4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	TRAF4 antibody detects endogenous levels of total TRAF4
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	470
Applicable Applications for anti-TRAF4 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm. Nucleus. Cytoplasm > Perinuclear Region. Cell Junction > Tight Junction. Cell Membrane. Cytoplasm > Cytoskeleton.
Tissue Specificity	Expressed in epithelial cells of thymus, dendritic cells of lymph node, and in the basal cell layer of epithelia such as epidermis, nasopharynx, respiratory tract, salivary gland, and esophagus.
Predicted Cross Reactivity	**Pig, Bovine, Horse, Sheep, Rabbit**
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES

WB (Western Blot)
Western blot analysis of extracts from 3T3 cells, using TRAF4 antibody.The lane on the left is treated with the antigen-specific peptide.

IF (Immunofluorescence)
AAA325362 staining NIH-3T3 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-TRAF4 antibody	Function: Adapter protein and signal transducer that links members of the tumor necrosis factor receptor (TNFR) family to different signaling pathways. Plays a role in the activation of NF-kappa-B and JNK, and in the regulation of cell survival and apoptosis. Regulates activation of NF-kappa-B in response to signaling through Toll-like receptors. Required for normal skeleton development, and for normal development of the respiratory tract (By similarity). Required for activation of RPS6KB1 in response to TNF signaling. Modulates TRAF6 functions. Subunit Structure: Homotrimer (Probable). Interacts with LTBR/TNFRSF3, NGFR/TNFRSF16, RPS6KB1 and TGFB1I1. Interacts with SMURF1. Interacts (via TRAF domain) with MAP3K4 (via kinase domain). Interacts with NCF1, TICAM1, IRAK1 and TRAF6, and is probably part of a complex containing TRAF4, NCF1, TICAM1, IRAK1 and TRAF6. Post-translational Modifications: Polyubiquitinated, leading to its proteasomal degradation. Similarity: The coiled coil domain mediates homo-and hetero-oligomerization.The MATH/TRAF domain binds to receptor cytoplasmic domains. Belongs to the TNF receptor-associated factor family. B subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	22027622
NCBI GeneID	9618
NCBI Accession #	NP_004286.2
NCBI GenBank Nucleotide #	NM_004295.3
UniProt Accession #	Q9BUZ4; O75615; Q14848; Q2KJU4; Q2PJN8
Molecular Weight	Observed: 53 kD Predicted: 54 kDa
NCBI Official Full Name	TNF receptor-associated factor 4
NCBI Official Synonym Full Names	TNF receptor associated factor 4
NCBI Official Symbol	TRAF4
NCBI Official Synonym Symbols	CART1; MLN62; RNF83
NCBI Protein Information	TNF receptor-associated factor 4
UniProt Protein Name	TNF receptor-associated factor 4
UniProt Gene Name	**TRAF4**
UniProt Synonym Gene Names	CART1; MLN62; RNF83; MLN 62

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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