

Rabbit TRADD Polyclonal Antibody | anti-TRADD antibody

TRADD Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326059	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

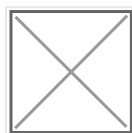
PRODUCT SYNONYMS

TRADD; Polyclonal Antibody; TRADD Antibody; 9130005N23Rik; AA930854; TNFR1 associated DEATH domain protein; TNFR1-associated DEATH domain protein; TNFRSF1A associated via death domain; TNFRSF1A-associated via death domain; tradd; TRADD_HUMAN; Tumor necrosis factor receptor type 1 associated DEATH domain protein; Tumor necrosis factor receptor type 1-associated DEATH domain protein; anti-TRADD antibody

PRODUCT SPECIFICATIONS

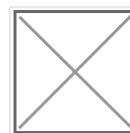
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	TRADD antibody detects endogenous levels of total TRADD
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	312
Applicable Applications for anti-TRADD antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human TRADD
Subcellular Location	Cytoplasm > Cytoskeleton.
Tissue Specificity	Found in all examined tissues.
Predicted Cross Reactivity	Pig, Bovine, Sheep
Similarity	Pig (80%), Bovine (80%), Sheep (80%)
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 rat brain, using TRADD Antibody.



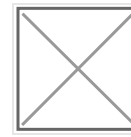
IHC (Immunohistochemistry)

AAA326059 at 1/100 staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of Jurkat using TRADD antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA326059 staining Hela 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-TRADD antibody

Description: Apoptosis mediated by death factors like FasL and TNF-alpha involves the formation of a death-inducing signaling complex (DISC) to their respective receptors (1). Upon ligand activation to their receptors, Fas and TNF-R1 associate with death domain (DD) containing adaptor proteins FADD (Fas associated death domain) (2, 3) and TRADD (TNF-R1 associated death domain) (4). In addition to its carboxy-terminal DD, FADD contains an amino-terminal death effector domain (DED) that binds to DEDs found on caspase-8 which leads to activation of this initiator caspase (5, 6). Caspase-8 subsequently activates downstream effector caspases, like caspase-3, resulting in the cleavage of proteins involved in the execution of apoptosis. Unlike FADD, TRADD does not contain a DED (4). Apoptosis driven by TNF-R1 binding to TRADD involves association of TRADD and FADD which then leads to activation of caspase-8 (7).

Function: The nuclear form acts as a tumor suppressor by preventing ubiquitination and degradation of isoform p19ARF/ARF of CDKN2A by TRIP12: acts by interacting with TRIP12, leading to disrupt interaction between TRIP12 and isoform p19ARF/ARF of CDKN2A (By similarity). Adapter molecule for TNFRSF1A/TNFR1 that specifically associates with the cytoplasmic domain of activated TNFRSF1A/TNFR1 mediating its interaction with FADD. Overexpression of TRADD leads to two major TNF-induced responses, apoptosis and activation of NF-kappa-B.

Subunit Structure: Stimulation of TNF-alpha receptor TNFRSF1A leads to the formation of two distinct signaling complexes. Plasma membrane-bound complex I is composed of TNFRSF1A, TRADD, RIPK1, TRAF2 and BIRC2/c-IAP1 or BIRC3 which interacts with CHUCK/IKK-alpha, IKBKB/IKK-beta and IKBKG/IKK-gamma promoting cell survival (PubMed:7758105, PubMed:8612133, PubMed:14585990, PubMed:21307340). Subsequently, TRADD, RIPK1 and TRAF2 dissociate from TNFRSF1A and form cytoplasmic complex II with FADD and caspase CASP8 promoting cell apoptosis (PubMed:21307340). Within complex I, interacts with TNFRSF1A/TNFR1, TRAF2 and kinase RIPK1 (PubMed:7758105, PubMed:10892748, PubMed:8612133). Within complex I, interacts with TRPC4AP; the interaction promotes NF-kappa B activation (PubMed:14585990). UXT1 associates with complex I; the interaction prevents the formation of complex II (PubMed:21307340). Within complex I Interacts with scaffold protein DAB2IP (PubMed:15310755). Interacts with autophagy receptor SQSTM1 (PubMed:10356400). Interacts with E3 ligase TRIP12 (By similarity). Interacts with kinase HIPK2 (PubMed:11032752). Interacts with keratin KRT14 (PubMed:11684708). Interacts with keratin KRT18 (PubMed:11684708). Interacts with keratins KRT16 and KRT17 (By similarity).

Similarity: Requires the intact death domain to associate with TNFRSF1A/TNFR1.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1021311897
NCBI GeneID	8717
NCBI Accession #	NP_001310481.1
NCBI GenBank Nucleotide #	NM_001323552.1
UniProt Accession #	Q15628; Q52NZ1; B2RDS3; B3KQZ9
Molecular Weight	Observed: 34 kDa Predicted: 35 kDa
NCBI Official Full Name	tumor necrosis factor receptor type 1-associated DEATH domain protein
NCBI Official Synonym Full Names	TNFRSF1A associated via death domain
NCBI Official Symbol	TRADD

NCBI Official Synonym Symbols	Hs.89862
NCBI Protein Information	tumor necrosis factor receptor type 1-associated DEATH domain protein
UniProt Protein Name	Tumor necrosis factor receptor type 1-associated DEATH domain protein
UniProt Gene Name	TRADD
UniProt Synonym Gene Names	TNFR1-associated DEATH domain protein

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/tradd-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/326059>