Rabbit anti-Human, Mouse TRIP4 Polyclonal Antibody | anti-TRIP4 antibody

TRIP4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323992	**Rabbit**	**Human, Mouse**	**ELISA, Immunocytochemistry, Immunofluorescence, Western Blot**

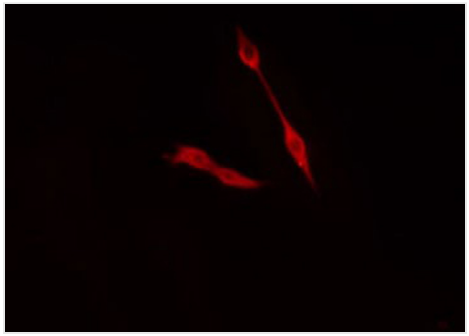
PRODUCT SYNONYMS

TRIP4; Polyclonal Antibody; TRIP4 Antibody; Activating signal cointegrator 1; ASC 1; ASC-1; HsT17391; Thyroid hormone receptor interactor 4; Thyroid receptor interacting protein 4; Thyroid receptor-interacting protein 4; TR-interacting protein 4; TRIP 4; TRIP-4; Trip4; TRIP4_HUMAN; ZC2HC5; Zinc finger C2HC5 type; anti-TRIP4 antibody

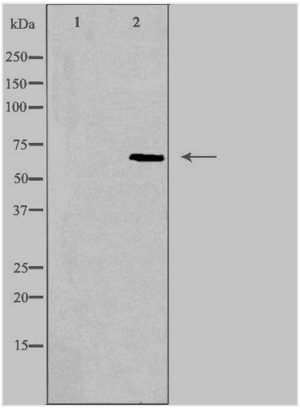
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	TRIP4 antibody detects endogenous levels of total TRIP4
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	351
Applicable Applications for anti-TRIP4 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus. Cytoplasm. Cytoplasmic under conditions of serum deprivation.
Predicted Cross Reactivity	**Pig, Horse, Rabbit, Dog**
Similarity	Pig (82%), Horse (91%), Rabbit (82%), Dog (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)
AAA323992 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.



WB (Western Blot)
Western blot analysis of extracts from K562 cells, using TRIP4 antibody.The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-TRIP4 antibody	Function: Transcription coactivator which associates with nuclear receptors, transcriptional coactivators including EP300, CREBBP and NCOA1, and basal transcription factors like TBP and TFIIA to facilitate nuclear receptors-mediated transcription. May thereby play an important role in establishing distinct coactivator complexes under different cellular conditions. Plays a role in thyroid hormone receptor and estrogen receptor transactivation (PubMed:10454579, PubMed:25219498). Also involved in androgen receptor transactivation (By similarity). Plays a pivotal role in the transactivation of NF-kappa-B, SRF and AP1. Acts as a mediator of transrepression between nuclear receptor and either AP1 or NF-kappa-B (PubMed:12077347). May play a role in the development of neuromuscular junction (PubMed:26924529). May play a role in late myogenic differentiation (By similarity). Subunit Structure: Interacts with the thyroid hormone receptor/TR (via the ligand-binding domain); this interaction requires the presence of thyroid hormone (PubMed:10454579). Interacts with the androgen receptor/AR; in an androgen, testosterone and dihydrotestosterone-dependent manner (PubMed:12390891). Interacts with ESR1 (estrogen ligand-bound); competes with UFSP2 (PubMed:10454579, PubMed:25219498). Interacts with UFSP2; competes with ligand-bound ESR1 (PubMed:25219498). Interacts with DDRGK1 and UFL1; the interaction with DDRGK1 is direct (PubMed:25219498). Interacts with NCOA1 (PubMed:25219498). Interacts with EP300 (PubMed:25219498). Part of the ASC-1 complex, that contains TRIP4, ASCC1, ASCC2 and ASCC3 (PubMed:12077347). Interacts with NEK6 (PubMed:20873783). Interacts with CSRP1 (PubMed:26924529). Post-translational Modifications: Phosphorylated by NEK6. Polyufmylated by the UFM1-conjugating system composed of the enzymes UBA5, UFC1 and UFL1. Deufmylated by the protease UFSP2. Ufmylation of TRIP4 is promoted by ligand-bound nuclear receptors that compete with UFSP2 for interaction with TRIP4. Nuclear receptors-induced ufmylation promotes the recruitment of additional transcriptional coactivators like EP300 and NCOA1 and therefore the assembly of a coactivator complex facilitating nuclear receptor-mediated transcription. Similarity: The C4-type zinc finger mediates a competitive interaction with UFSP2 and ligand-bound nuclear receptors. It also mediates interaction with the transcriptional coactivators and the basal transcription machinery.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1013181363
NCBI GeneID	9325
NCBI Accession #	NP_001308853.1
NCBI GenBank Nucleotide #	NM_001321924.1
UniProt Accession #	Q15650; Q96ED7; Q9UKH0; B2RAS0
Molecular Weight	Observed: 66 kD Predicted: 67 kDa
NCBI Official Full Name	activating signal cointegrator 1 isoform 2
NCBI Official Synonym Full Names	thyroid hormone receptor interactor 4

NCBI Official Symbol	TRIP4
NCBI Official Synonym Symbols	ASC1; ASC-1; MDCDC; SMABF1; ZC2HC5; HsT17391
NCBI Protein Information	activating signal cointegrator 1
UniProt Protein Name	Activating signal cointegrator 1
UniProt Gene Name	**TRIP4**
UniProt Synonym Gene Names	ASC-11 PublicationManual assertion based on opinion iniRef.1; TR-interacting protein 41 PublicationManual assertion based on opinion iniRef.5; TRIP-41 PublicationManual assertion based on opinion iniRef.5

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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