

Rabbit anti-Human TROVE2 Polyclonal Antibody | anti-TROVE2 antibody

TROVE2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324376	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

TROVE2; Polyclonal Antibody; TROVE2 Antibody; 60 kDa ribonucleoprotein Ro; 60 kDa Ro protein; 60 kDa SS A/Ro ribonucleoprotein; 60 kDa SS-A/Ro ribonucleoprotein; Autoantigen Ro/SSA; 60-KD; bA101E13.2; Gastric cancer multi drug resistance protein; Ribonucleoprotein autoantigen SS A/Ro; RO 60; Ro 60 kDa autoantigen; RO60; RO60_HUMAN; RoRNP; Sjogren syndrome antigen A2; Sjogren syndrome type A antigen; Sjogren syndrome antigen A2 (60kD ribonucleoprotein autoantigen SS A/Ro); Sjogren syndrome antigen A2 (60kDa ribonucleoprotein autoantigen SS A/Ro); Sjogren syndrome antigen A2; SS A; SS-A; SS-A/Ro; SSA 2; SSA; SSA2; TROVE 2; TROVE domain family member 2; anti-TROVE2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	TROVE2 antibody detects endogenous levels of total TROVE2
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	525
Applicable Applications for anti-TROVE2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm. Localized in cytoplasmic mRNP granules containing untranslated mRNAs.
Predicted Cross Reactivity	Pig, Sheep, Rabbit, Chicken
Similarity	Pig (100%), Sheep (100%), Rabbit (91%), Chicken (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324376 staining A549 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 A549 cells, using TROVE2 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-TROVE2 antibody	Function: RNA-binding protein that binds to misfolded non-coding RNAs, pre-5S rRNA, and several small cytoplasmic RNA molecules known as Y RNAs. May stabilize some of these RNAs and protect them from degradation. Subunit Structure: Identified in a IGF2BP1-dependent mRNP granule complex containing untranslated mRNAs. Found in a complex with PUF60 and Y5 RNA. Interacts with RIP11. Similarity: The horseshoe-shaped TROVE domain is built with 7 helical HEAT-like repeats, and is closed by the VWFA-like domain giving rise to a ring-shaped monomer. Single-stranded RNA is bound in the positively charged central cavity (By similarity). The MIDAS-like motif in the VWFA-like domain binds divalent metal cations. Belongs to the Ro 60 kDa family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	108796056
NCBI GeneID	6738
NCBI Accession #	NP_001035828.1
NCBI GenBank Nucleotide #	NM_001042369.2
UniProt Accession #	P10155; Q5LJ98; Q5LJ99; Q5LJA0; Q86WL3; Q86WL4; Q92787; Q9H1W6; B2RBB9
Molecular Weight	Observed: 70 kD Predicted: 61 kDa
NCBI Official Full Name	60 kDa SS-A/Ro ribonucleoprotein isoform 1
NCBI Official Synonym Full Names	TROVE domain family member 2
NCBI Official Symbol	TROVE2
NCBI Official Synonym Symbols	RO60; SSA2; RORNP
NCBI Protein Information	60 kDa SS-A/Ro ribonucleoprotein
UniProt Protein Name	60 kDa SS-A/Ro ribonucleoprotein
UniProt Gene Name	TROVE2
UniProt Synonym Gene Names	RO60; SSA2; 60 kDa Ro protein; 60 kDa ribonucleoprotein Ro; RoRNP; SS-A

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.