

## Anti-RO60 antibody



**Description** Rabbit polyclonal to RO60.

Model STJ95524

**Host** Rabbit

**Reactivity** Human

**Applications** ELISA, WB

**Immunogen** Synthesized peptide derived from human RO60

Immunogen Region 280-360 aa, Internal

**Gene ID** <u>6738</u>

Gene Symbol TROVE2

**Dilution range** WB 1:500-1:2000ELISA 1:20000

**Specificity** RO60 Polyclonal Antibody detects endogenous levels of RO60 protein.

**Purification** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

**Note** For Research Use Only (RUO).

**Protein Name** 60 kDa SS-A/Ro ribonucleoprotein 60 kDa Ro protein 60 kDa

ribonucleoprotein Ro RoRNP Ro 60 kDa autoantigen Sjoegren syndrome antigen A2 Sjoegren syndrome type A antigen SS-A TROVE domain family

member 2

Molecular Weight 70 kDa

**Clonality** Polyclonal

**Conjugation** Unconjugated

**Isotype** IgG

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

**Concentration** 1 mg/ml

**Storage Instruction** Store at -20°C, and avoid repeat freeze-thaw cycles.

Database Links <u>HGNC:11313OMIM:600063</u>

Alternative Names 60 kDa SS-A/Ro ribonucleoprotein 60 kDa Ro protein 60 kDa

ribonucleoprotein Ro RoRNP Ro 60 kDa autoantigen Sjoegren syndrome antigen A2 Sjoegren syndrome type A antigen SS-A TROVE domain family

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**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. May

play roles in cilia formation and/or maintenance.

**Sequence and Domain Family** 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 . The MIDAS-like motif in the VWFA-like domain binds divalent

metal cations.

**Cellular Localization** Cytoplasm. Localized in cytoplasmic mRNP granules containing untranslated

mRNAs.

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