# TROVE2 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | TROVE2, Polyclonal Antibody |
| **Full Product Name** | TROVE2, CT (TROVE2, RO60, SSA2, 60kD SS-A/Ro ribonucleoprotein, Ro 60kD autoantigen, Sjoegren syndrome antigen A2, Sjoegren syndrome type A antigen, TROVE domain family member 2) (MaxLight 750) |
| **Product Gene Name** | anti-TROVE2 antibody |
| **Product Synonym Names** | TROVE2; RO60; SSA2; 60kD SS-A/Ro ribonucleoprotein; Ro 60kD autoantigen; Sjoegren syndrome antigen A2; Sjoegren syndrome type A antigen; TROVE domain family member 2 |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750. |
| **Purity/Purification** | Purified by Protein A Affinity Chromatography. |
| **Preparation and Storage** | Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap. |
| **Molecular Weight** | 60,671 Da |
| **Chromosome Location** | Chromosome: 1; NC_000001.10 (193028552..193060907). Location: 1q31 |
| **OMIM** | 600063 |
| **3D Structure** | ModBase 3D Structure for P10155 |
| **Immunogen** | TROVE2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 466-495 amino acids from the C-terminal region of human TROVE2. |
| **Conjugate** | MaxLight750 |
| **Note** | Preservative Free |
| **Product Categories/Family for anti-TROVE2 antibody** | Antibodies; Nuclear Proteins |
| **Applications Tested/Suitable for anti-TROVE2 antibody** | Western Blot (WB), FLISA |
| **Application Notes for anti-TROVE2 antibody** | WB: 1:100-500<br>FLISA: 1:1,000<br>Applications are based on unconjugated antibody. |
| **Related Product Information for anti-TROVE2 antibody** | RNA-binding protein that binds to several small cytoplasmic RNA molecules known as Y RNAs. May stabilize these RNAs from degradation. |
| **Product References and Citations for anti-TROVE2 antibody** | Reed, J.H., et al. Arthritis Rheum. 62(5):1448-1456(2010). Davila, S., et al. Genes Immun. 11(3):232-238(2010). Clancy, R.M., et al. J. Immunol. 184(4):2148-2155(2010). Reed, J.H., et al. Arthritis Rheum. 60(3):860-869(2009). Barcellos, K.S., et al. J. Rheumatol. 34(6):1283-1292(2007). |

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| **Other Notes** | Small volumes of anti-TROVE2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |
| **Searchable Terms for TROVE2 purchase** | MBS6358790 is an antibody targeting TROVE2. Also known as TROVE2, CT (TROVE2, RO60, SSA2, 60kD SS-A/Ro ribonucleoprotein, Ro 60kD autoantigen, Sjoegren syndrome antigen A2, Sjoegren syndrome type A antigen, TROVE domain family member 2) (MaxLight 750). Reactive in Human. Host: Rabbit. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TROVE2. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 108796056 |
| **NCBI GeneID** | 6738 |
| **NCBI Accession #** | NP_001035828.1 |
| **NCBI Related Accession #** | NP_001166995.1 |
| **UniProt Primary Accession #** | P10155 |
| **UniProt Secondary Accession #** | Q5LJ98; Q5LJ99; Q86WL3; Q86WL4; Q92787; Q9H1W6; B2RBB9 |
| **UniProt Related Accession #** | P10155 |
| **GenBank Nucleotide #** | NM_001042369.2 |
| **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 |
| **UniProt Protein Name** | 60 kDa SS-A/Ro ribonucleoprotein |
| **UniProt Synonym Protein Names** | Ro 60 kDa autoantigen; Sjoegren syndrome antigen A2; Sjoegren syndrome type A antigen; SS-A; TROVE domain family member 2 |
| **Protein Family** | 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 |
| **UniProt Entry Name** | RO60_HUMAN |
| **NCBI Protein Information** | 60 kDa SS-A/Ro ribonucleoprotein; 60 kDa ribonucleoprotein Ro; sjoegren syndrome type A antigen; gastric cancer multi-drug resistance protein; Sjogren syndrome antigen A2 (60kD, ribonucleoprotein autoantigen SS-A/Ro) |
| **UniProt Comments for TROVE2** | SSA2: RNA-binding protein that binds to several small cytoplasmic RNA molecules known as Y RNAs. May stabilize these RNAs from degradation. Belongs to the Ro 60 kDa family. 2 isoforms of the human protein are produced by alternative splicing.<br><br>Protein type: RNA-binding<br><br>Chromosomal Location of Human Ortholog: 1q31<br><br>Cellular Component: nucleoplasm; cytoplasm; ribonucleoprotein complex<br><br>Molecular Function: RNA binding; metal ion binding; U2 snRNA binding<br><br>Biological Process: transcription from RNA polymerase III promoter; immune system development; smoothened signaling pathway; response to UV<br><br>Disease: Heart Block, Congenital |

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| **Research Articles on TROVE2** | **1.** these data indicate that ZBP1 may function as an adapter to export the Ro/Y3 RNA complex from nuclei. |
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