



# RO52 Monoclonal Antibody

<b>Catalog No</b>	YP-mAb-05245
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB
<b>Gene Name</b>	TRIM21 RNF81 RO52 SSA1
<b>Protein Name</b>	E3 ubiquitin-protein ligase TRIM21 (EC 6.3.2.-) (52 kDa Ro protein) (52 kDa ribonucleoprotein autoantigen Ro/SS-A) (RING finger protein 81) (Ro(SS-A)) (Sjogren syndrome type A antigen) (SS-A) (Tripar
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 140-220
<b>Specificity</b>	RO52 Monoclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-1:2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	52kD
<b>Cell Pathway</b>	Cytoplasm . Cytoplasmic vesicle, autophagosome . Nucleus . Cytoplasm, P-body . Enters the nucleus upon exposure to nitric oxide. Localizes to small dot- or rod-like structures in the cytoplasm, called processing bodies (P-bodies) that are located underneath the plasma membrane and also diffusely in the cytoplasm. They are located along the microtubules and are highly motile in cells. Colocalizes with DCP2 in P-bodies.
<b>Tissue Specificity</b>	Isoform 1 and isoform 2 are expressed in fetal and adult heart and fetal lung.
<b>Function</b>	disease:Sera from patients with systemic lupus erythematosus (SLE) or primary Sjogren syndrome often contain antibodies that react with normal cellular RO protein as if this antigen was foreign.,function:Ribonucleoprotein particle composed of a single polypeptide and one of four small RNA molecules. It is present in all mammalian cells studied but has no known function. At least two isoforms are present in nucleated and red blood cells, and tissue specific differences in RO/SSA proteins have been identified. The common feature of these proteins is their ability to bind HY RNAs.,similarity:Belongs to the TRIM/RBCC family.,similarity:Contains 1 B box-type zinc finger.,similarity:Contains 1 B30.2/SPRY domain.,similarity:Contains 1 RING-type



zinc finger.,

**Background**

This gene encodes a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. The encoded protein is part of the RoSSA ribonucleoprotein, which includes a single polypeptide and one of four small RNA molecules. The RoSSA particle localizes to both the cytoplasm and the nucleus. RoSSA interacts with autoantigens in patients with Sjogren syndrome and systemic lupus erythematosus. Alternatively spliced transcript variants for this gene have been described but the full-length nature of only one has been determined. [provided by RefSeq, Jul 2008],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**