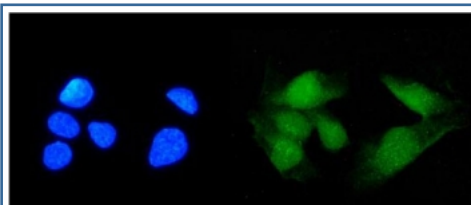


## SS-A Antibody / TRIM21 (RQ6012)

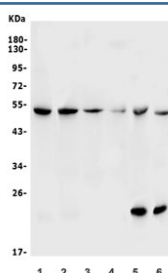
Catalog No.	Formulation	Size
RQ6012	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

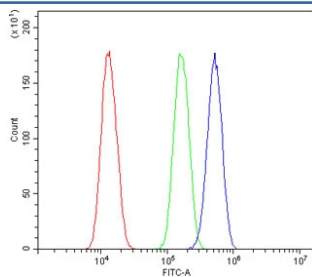
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	P19474
<b>Localization</b>	Nuclear, cytoplasmic
<b>Applications</b>	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Immunofluorescence : 2-4ug/ml Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This SS-A antibody is available for research use only.



Immunofluorescent staining of FFPE human U-2 OS cells with SS-A antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) rat lung, 2) mouse lung, 3) rat thymus, 4) mouse thymus, 5) human HeLa and 6) human ThP-1 lysate with SS-A antibody. Predicted molecular weight ~54 kDa.



Flow cytometry testing of human SiHa cells with SS-A antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= SS-A antibody.

## Description

Tripartite motif-containing protein 21 also known as E3 ubiquitin-protein ligase TRIM21 is a protein that in humans is encoded by the TRIM21 gene. It is mapped to 11p15.4. 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.

## Application Notes

Optimal dilution of the SS-A antibody should be determined by the researcher.

## Immunogen

Recombinant human protein (amino acids E12-Y475) was used as the immunogen for the SS-A antibody.

## Storage

After reconstitution, the SS-A antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.