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EB05901 - Goat Anti-SSA1 / Ro52 Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: TRIM21, tripartite motif-containing 21, RNF81, RO52, SSA, SSA1, 52kD Ro/SSA autoantigen, 52kDa ribonucleoprotein autoantigen SS-A/Ro, Sicca syndrome antigen A, Sjogren syndrome antigen A1 (52kD, ribonucleoprotein autoantigen SS-A/Ro), Sjogren syndrome antigen A1 (52kDa, ribonucleoprotein autoantigen SS-A/Ro), tripartite motif protein TRIM21, tripartite motif protein 21
Official Symbol: TRIM21
Accession Number(s): NP_003132.2
Human GeneID(s): 6737

Immunogen

Peptide with sequence CPLNIGSQGSTDY, from the C Terminus of the protein sequence according to NP_003132.2.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:16000.
Western blot: In transfected HEK293 transiently expressing full-length Human TRIM21 (myc and DYKDDDDK tagged), a band of approx. 60kDa was observed. No bands were observed in mock-transfected HEK293 and the same band was observed using anti-myc tag antibody. Recommended concentration: 0.2-1µg/ml. Primary incubations were for 1 hour.

Immunofluorescence: Strong expression of the protein seen in the nuclei and cytoplasm of U2OS cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of HeLa cells. Recommended concentration: 10ug/ml.

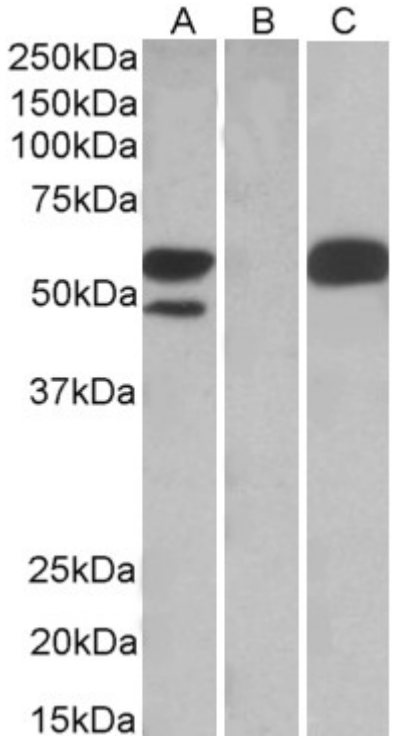
Additional validation: This antibody has been successfully used in the following paper: Sikorski et al. (2018) PMID: 30377371.

Species Reactivity

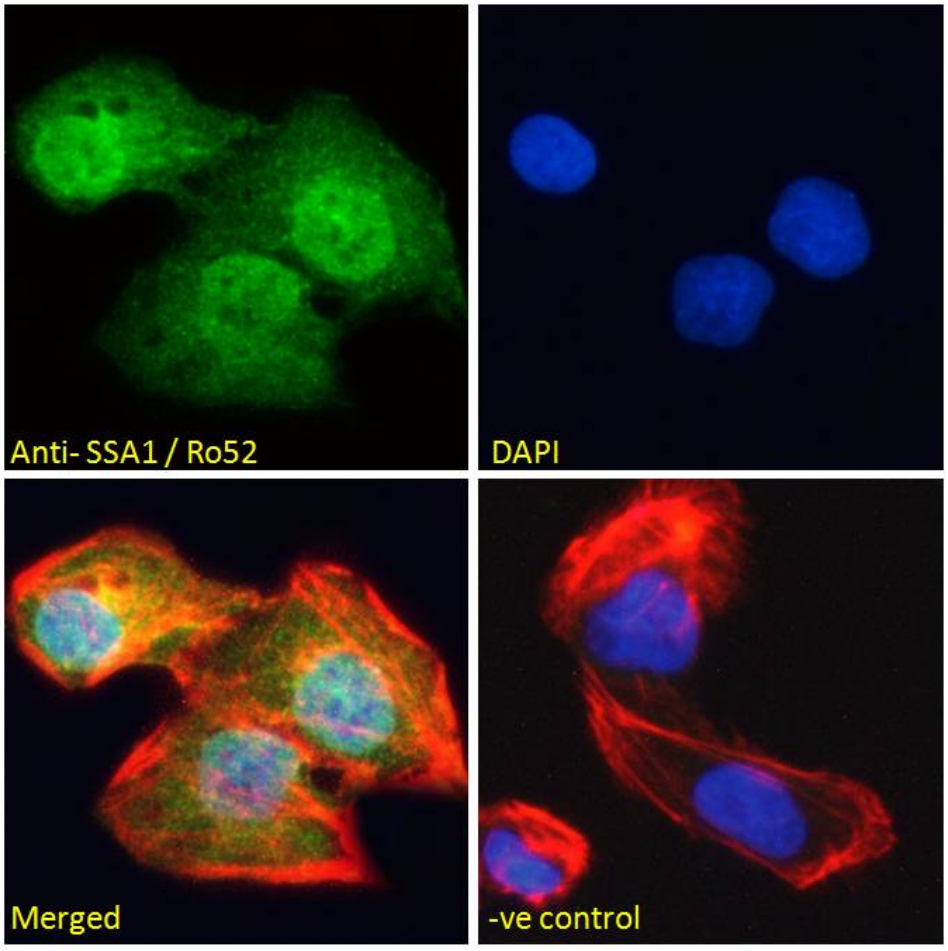
Tested: Human
Expected from sequence similarity: Human

Specific Reference

This antibody has been successfully used in the following paper:
Krzysztof Sikorski, Adi Mehta, Marit Inngjerdingen, Flourina Thakor, Simon Kling, Tomas Kalina, Tuula A. Nyman, Maria Ekman Stensland, Wei Zhou, Gustavo A. De Souza, Lars Holden, Jan Stuchly, Markus Templin and Fridtjof Lund-Johansen
A high-throughput pipeline for validation of antibodies
Nat Methods. 2018 Nov;15(11):909-912
PMID: 30377371

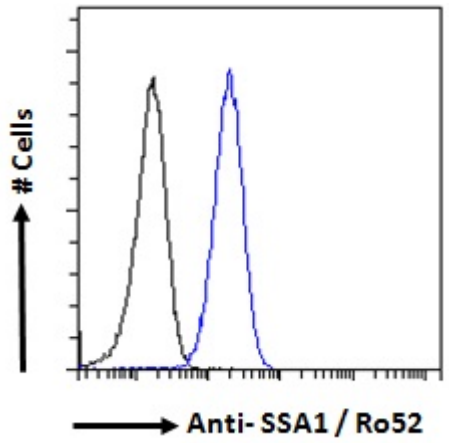


HEK293 lysate (10ug protein in RIPA buffer) overexpressing Human TRIM21 with C-terminal MYC tag probed with EB05901 (1ug/ml) in Lane A and probed with anti-MYC Tag (1/1000) in lane C. Mock-transfected HEK293 probed with EB05901 (1mg/ml) in Lane B. Detected by chemiluminescence.



EB05901 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing strong

nuclear and some cytoplasmic staining. Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB05901 Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.