



## Rabbit anti-human tripartite motif-containing 21 polyclonal Antibody

Catalog Number: CSB-PA024457GA01HU

<b>Synonym Names</b>	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, Tripartite motif-containing protein 21, TRIM21, RNF81, RO52, SSA1
<b>Product type</b>	Primary antibodies
<b>Description</b>	Rabbit polyclonal to TRIM21
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Reacts with</b>	Human, Mouse, Rat; Other species are not tested. Please decide the specificity by homology.
<b>Conjugate</b>	Non-conjugated
<b>Purity</b>	Antigen Affinity Purified
<b>Storage buffer</b>	PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
<b>Storage</b>	Shipped at 4°C Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze.
<b>Form</b>	Liquid
<b>Raised in</b>	Rabbit
<b>Tested applications</b>	ELISA; Use at an assay dependent dilution. WB: 1:200-1:2000 IHC: 1:20-1:200 (Recommender dilutions)
<b>Positive WB detected in</b>	A549 cells, HeLa cells, mouse pancreas tissue, HT-1080 cells
<b>Positive IHC detected in</b>	Human lung cancer
<b>Function</b>	E3 ubiquitin-protein ligase whose activity is dependent on E2 enzymes, UBE2D1, UBE2D2, UBE2E1 and UBE2E2. Forms a ubiquitin ligase complex in cooperation with the E2 UBE2D2 that is used not only for the ubiquitination of USP4 and IKBKB but also for its self-ubiquitination. Component of cullin-RING-based SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complexes such as SCF(SKP2)-like complexes. A TRIM21-containing SCF(SKP2)-like complex is shown to mediate ubiquitination of CDKN1B ('Thr-187' phosphorylated-form), thereby promoting its degradation by the proteasome. Monoubiquitinates IKBKB that will negatively regulate Tax-induced NF-kappa-B signaling. Negatively regulates IFN-beta production post-pathogen recognition by polyubiquitin-mediated degradation of IRF3. Mediates the ubiquitin-mediated proteasomal degradation of IgG1 heavy chain, which is linked to the VCP-mediated ER-associated degradation (ERAD) pathway. Promotes IRF8 ubiquitination, which enhanced the ability of IRF8 to stimulate cytokine genes transcription in macrophages. Plays a role in the regulation of the cell cycle progression. Enhances the decapping activity of DCP2. Exists as a ribonucleoprotein particle present in all mammalian cells studied and composed of a single polypeptide and one of four small RNA molecules. 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.2.
<b>References</b>	[1]"System-wide temporal characterization of the proteome and phosphoproteome of human embryonic stem cell differentiation." Rigbolt K.T., Prokhorova T.A., Akimov V., Henningsen J., Johansen P.T., Kratchmarova I., Kassem M., Mann M., Olsen J.V., Blagoev B. Sci. Signal. 4:RS3-RS3(2011). [2]"Quantitative phosphoproteomics reveals widespread full phosphorylation site occupancy during mitosis." Olsen J.V., Vermeulen M., Santamaria A., Kumar C., Miller M.L., Jensen L.J., Gnad F., Cox J., Jensen T.S., Nigg E.A., Brunak S., Mann M. Sci. Signal. 3:RA3-RA3(2010). [3]"Dynamic movements of Ro52 cytoplasmic bodies along microtubules." Tanaka M., Tanji K., Niida M., Kamitani T. Histochem. Cell Biol. 133:273-284(2010).