

# TRIM21 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant fragment corresponding to a region within amino acids 254 and 475 of SSA1 (Uniprot ID#P19474)
Form	Liquid
Concentration	1.52 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7, with 20% glycerol
Contains	0.025% ProClin 300
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_11153206

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:3,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000	-
Immunocytochemistry (ICC/IF)	1:100-1:1,000	1 Publication
Immunoprecipitation (IP)	1:100-1:500	-

## Product Specific Information

Recommended positive controls: 293T, A431, H1299, HeLa, HepG2, Molt-4, Raji, TRIM21-transfected 293T.

Predicted reactivity: Cat (86%), Pig (81%), Rhesus Monkey (99%), Bovine (82%).

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Product Images For TRIM21 Polyclonal Antibody

TRIM21 Antibody (PA5-22294) in WB

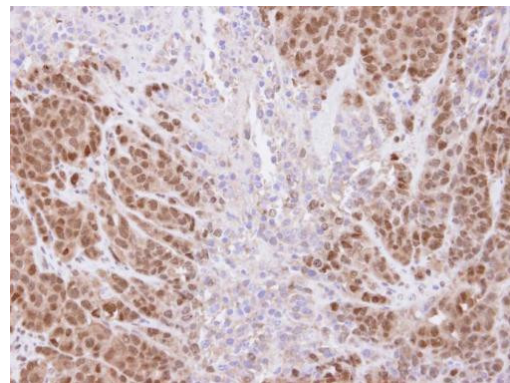
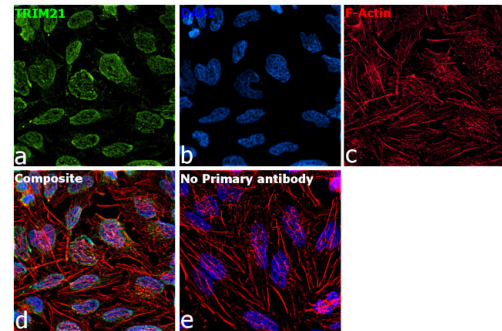
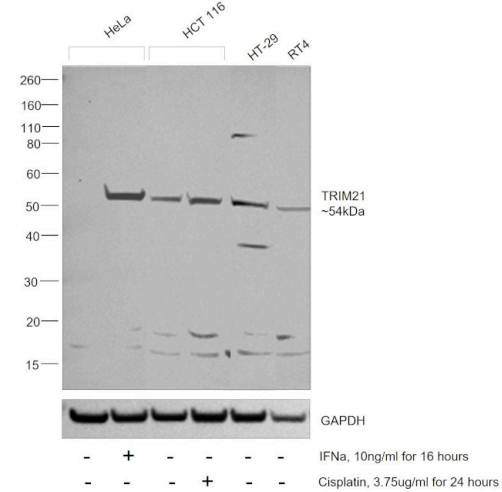
Western blot was performed using TRIM21 Polyclonal Antibody (Product # PA5-22294) and a 54 kDa band corresponding to TRIM21 was observed across all cell lines tested and was observed to be upregulated upon treatment of HeLa cells with IFNa and HCT116 with cisplatin. Whole cell extracts (30 µg lysate) of HeLa (Lane 1), HeLa treated with with IFNa (10 ng/mL, 16 hours) (Lane 2), HCT 116 (Lane 3), HCT 116 treated with with cisplatin (3.75 µg/mL, 24 hours) (Lane 4), HT-29 (Lane 5) and RT-4 (Lane 6) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX), 10 well. Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:20,000 dilution) using the iBright™ FL1500 Imaging System (Product # A44115). Chemiluminescent detection was performed using SuperSignal™ West Pico PLUS Chemiluminescent Substrate (Product # 34580). Upregulation of TRIM21 expression upon cell treatment demonstrates specificity of the antibody. Some uncharacterized bands were observed between 15-20 kDa.

TRIM21 Antibody (PA5-22294) in ICC/IF

Immunofluorescence analysis of TRIM21 was performed using 70% confluent log phase HeLa cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 1 hour at room temperature. The cells were labeled with TRIM21 Polyclonal Antibody (Product # PA5-22294) at 1:100 dilution in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Donkey anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor™ Plus 488 (Product # A32790, 1:2000 dilution), for 45 minutes at room temperature (Panel a: Green). Nuclei (Panel b:Blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: Red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing nuclear and cytoplasmic localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60x magnification.

TRIM21 Antibody (PA5-22294) in IHC (P)

Immunohistochemical analysis of paraffin-embedded DLD-1 xenograft , using SSA1 (Product # PA5-22294) antibody at 1:500 dilution. Antigen Retrieval: EDTA based buffer, pH 8.0, 15 min.



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Immunocytochemistry (1)

Clinical and experimental immunology	Year 2015
<b>Endoplasmic reticulum stress causes autophagy and apoptosis leading to cellular redistribution of the autoantigens Ro/Sjögren's syndrome-related antigen A (SSA) and La/SSB in salivary gland epithelial cells.</b>	
"Published figure using TRIM21 polyclonal antibody (Product # PA5-22294) in Immunofluorescence"	
Authors: Katsiougianis S,Tenta R,Skopouli FN	

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