

## DATASHEET

# TRIM22 Rabbit Polyclonal Antibody

CAT. NO. APA17174

### KEY FEATURES

Target	TRIM22	Source / Host	Rabbit
Reactivity	Human	Clonality	Polyclonal
Applications	WB, IF/ICC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

### BACKGROUND

Interferon-induced E3 ubiquitin ligase that plays important roles in innate and adaptive immunity . Restricts the replication of many viruses including HIV-1, encephalomyocarditis virus (EMCV), hepatitis B virus (HBV), hepatitis C virus (HCV) or Zika virus (ZIKV) . Mechanistically, negatively regulates HCV replication by promoting ubiquitination and subsequent degradation of viral NS5A . Also acts by promoting the degradation of Zika virus NS1 and NS3 proteins through proteasomal degradation . Acts as a suppressor of basal HIV-1 LTR-driven transcription by preventing Sp1 binding to the HIV-1 promoter .

### APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
IF/ICC	1:50 - 1:200

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

### PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to TRIM22
Specificity	Recognizes endogenous levels of TRIM22 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human TRIM22. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 56 kD; Observed: 57 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	RNF94; STAF50; E3 ubiquitin-protein ligase TRIM22; 50 kDa-stimulated trans-acting factor; RING finger protein 94; Staf-50; Tripartite motif-containing protein 22
Gene Symbol	TRIM22
Entrez Gene	10346(Human)
SwissProt	Q8IYM9(Human)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

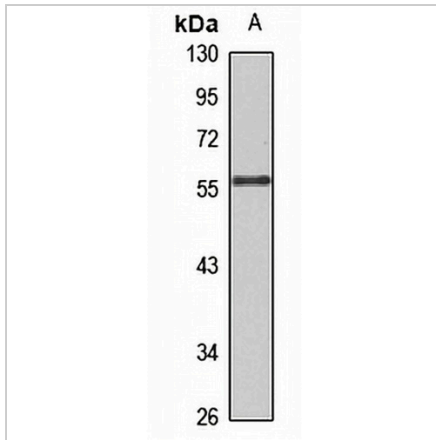
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

**DATASHEET**

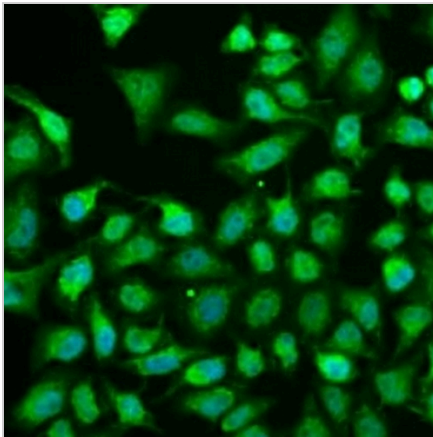
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**DATA**



Western blot analysis of TRIM22 expression in A549 (A) whole cell lysates. (Predicted band size: 56 kD; Observed band size: 57 kD)



Immunofluorescent analysis of TRIM22 staining in U2OS cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor 488-conjugated secondary antibody (green) in PBS at room temperature in the dark.

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.