DATASHEET

TRIM23 Rabbit Polyclonal Antibody

CAT. NO. APA13750

KEY FEATURES

Target	TRIM23	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	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

Acts as an E3 ubiquitin-protein ligase. Plays an essential role in autophagy activation during viral infection. Mechanistically, activates TANK-binding kinase 1/TBK1 by facilitating its dimerization and ability to phosphorylate the selective autophagy receptor SQSTM1. In order to achieve this function, TRIM23 mediates 'Lys-27'-linked auto-ubiquitination of its ADP-ribosylation factor (ARF) domain to induce its GTPase activity and its recruitment to autophagosomes domain to induce its GTPase activity and its recruitment to autophagosomes .

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 TRIM23
Specificity	Recognizes endogenous levels of TRIM23 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human TRIM23
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 61; Observed: 64 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	ARD1; ARFD1; RNF46; E3 ubiquitin-protein ligase TRIM23; ADP-ribosylation factor domain-containing protein 1; GTP-binding protein ARD-1; RING finger protein 46; Tripartite motif-containing protein 23
Gene Symbol	TRIM23
Entrez Gene	373(Human); 81003(Mouse); 81002(Rat)
SwissProt	P36406(Human); Q8BGX0(Mouse); P36407(Rat)

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

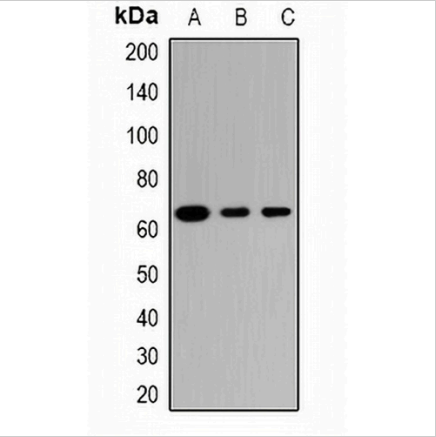
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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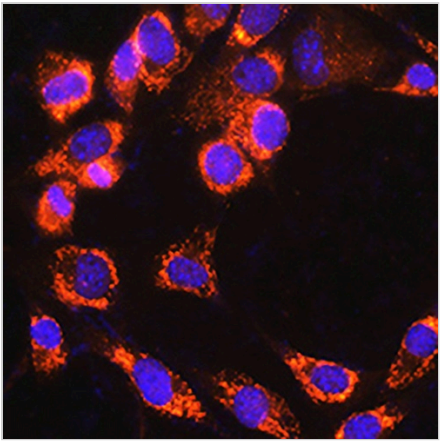
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DATA



Western blot analysis of TRIM23 expression in PC12 (A), mouse spleen (B), mouse brain (C) whole cell lysates. (Predicted band size: 61; 63; 64 kD; Observed band size: 64 kD)



Immunofluorescent analysis of TRIM23 staining in NIH3T3 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 AREX® Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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.