

DATASHEET

p47 Rabbit Polyclonal Antibody

CAT. NO. APA12961

KEY FEATURES

Target	p47	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

Reduces the ATPase activity of VCP . Necessary for the fragmentation of Golgi stacks during mitosis and for VCP-mediated reassembly of Golgi stacks after mitosis . May play a role in VCP-mediated formation of transitional endoplasmic reticulum (tER) . Inhibits the activity of CTSL (in vitro) . Inhibits the activity of CTSL (in vitro) . Together with UBXN2B/p37, regulates the centrosomal levels of kinase AURKA/Aurora A during mitotic progression by promoting AURKA removal from centrosomes in prophase . Also, regulates spindle orientation during mitosis .

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 p47
Specificity	Recognizes endogenous levels of p47 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human p47
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 28; Observed: 41 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	UBXN2C; NSFL1 cofactor p47; UBX domain-containing protein 2C; p97 cofactor p47
Gene Symbol	NSFL1C
Entrez Gene	55968(Human); 386649(Mouse); 83809(Rat)
SwissProt	Q9UNZ2(Human); Q9CZ44(Mouse); O35987(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.

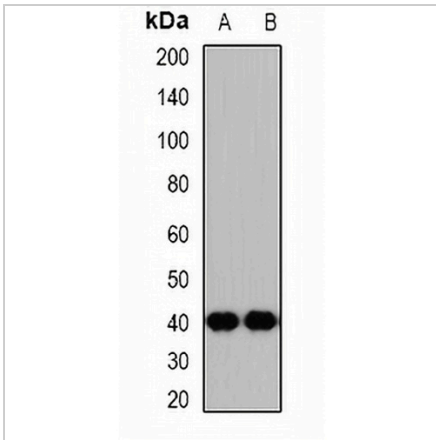
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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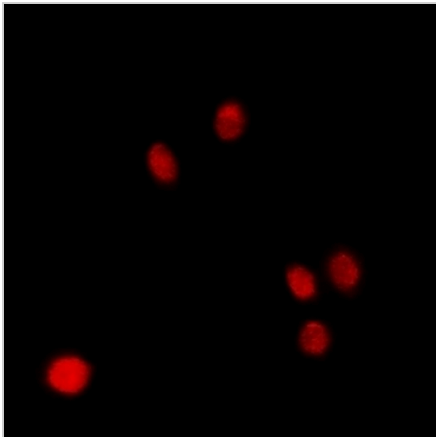
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DATA



Western blot analysis of p47 expression in mouse brain (A), rat kidney (B) whole cell lysates. (Predicted band size: 28; 37; 40 kD; Observed band size: 41 kD)



Immunofluorescent analysis of p47 staining in HeLa 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 DyLight 594-conjugated secondary antibody (red) 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.