

DATASHEET

PRR5 Rabbit Polyclonal Antibody

CAT. NO. APA16602

KEY FEATURES

Target	PRR5	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IHC, 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

Associated subunit of mTORC2, which regulates cell growth and survival in response to hormonal signals . mTORC2 is activated by growth factors, but, in contrast to mTORC1, seems to be nutrient-insensitive . mTORC2 seems to function upstream of Rho GTPases to regulate the actin cytoskeleton, probably by activating one or more Rho-type guanine nucleotide exchange factors . PRR5 plays an important role in regulation of PDGFRB expression and in modulation of platelet-derived growth factor signaling . May act as a tumor suppressor in breast cancer .

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
IHC	1:50 - 1:200
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 PRR5
Specificity	Recognizes endogenous levels of PRR5 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human PRR5. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 31; Observed: 45 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	PROTOR1; Proline-rich protein 5; Protein observed with Rictor-1; Protor-1
Gene Symbol	PRR5
Entrez Gene	55615(Human); 109270(Mouse); 315189(Rat)
SwissProt	P85299(Human); Q812A5(Mouse); Q5FVG6(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.

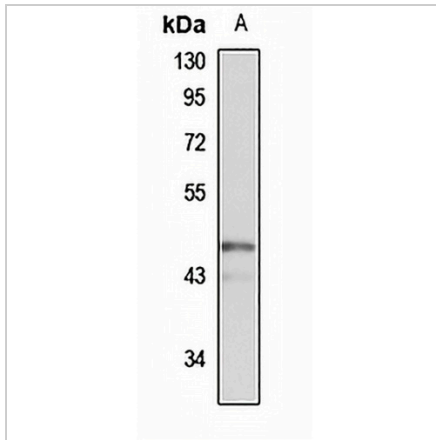
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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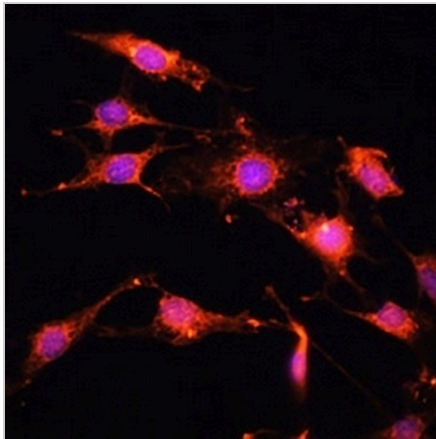
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Western blot analysis of PRR5 expression in mouse lung (A) whole cell lysates. (Predicted band size: 31; 32; 41; 42; 45 kD; Observed band size: 45 kD)



Immunofluorescent analysis of PRR5 staining in C6 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 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.