

DATASHEET

P2X5 Rabbit Polyclonal Antibody

CAT. NO. APA16393

KEY FEATURES

Target	P2X5	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

ATP-gated nonselective transmembrane cation channel permeable to potassium, sodium and calcium . Unlike other P2RX receptors, the P2X5 receptor is also permeable to chloride . May play a supporting role in the inflammatory response .

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 P2X5
Specificity	Recognizes endogenous levels of P2X5 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human P2X5. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 44; Observed: 115 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	P2X5; P2X purinoceptor 5; P2X5; ATP receptor; Purinergic receptor
Gene Symbol	P2RX5
Entrez Gene	5026(Human); 113995(Rat)
SwissProt	Q93086(Human); P51578(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.

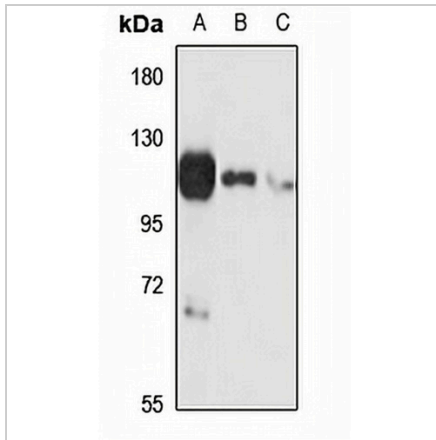
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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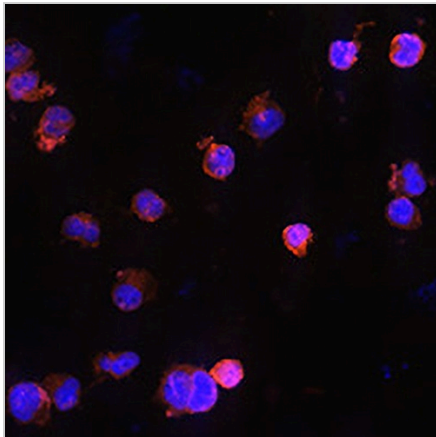
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DATA



Western blot analysis of P2X5 expression in K562 (A), mouse kidney (B), rat heart (C) whole cell lysates. (Predicted band size: 44; 47; 48 kD; Observed band size: 115 kD)



Immunofluorescent analysis of P2X5 staining in Jurkat 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.