

DATASHEET

PTCD3 Rabbit Polyclonal Antibody

CAT. NO. APA14784

KEY FEATURES

Target	PTCD3	Source / Host	Rabbit
Reactivity	Human, Mouse	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

Mitochondrial RNA-binding protein that has a role in mitochondrial translation.

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

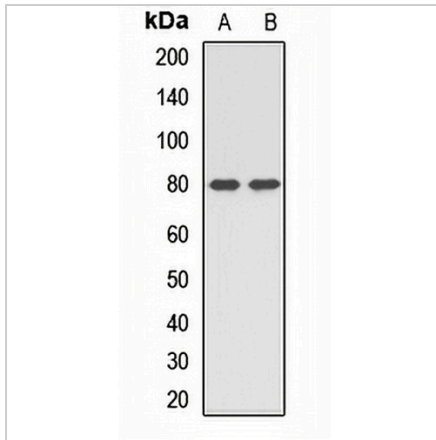
Description	Rabbit polyclonal antibody to PTCD3
Specificity	Recognizes endogenous levels of PTCD3 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human PTCD3
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 31; Observed: 79 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	MRPS39; Pentatricopeptide repeat domain-containing protein 3 mitochondrial; 28S ribosomal protein S39 mitochondrial; MRP-S39; Transformation-related gene 15 protein; TRG-15
Gene Symbol	PTCD3
Entrez Gene	55037(Human); 69956(Mouse)
SwissProt	Q96EY7(Human); Q14C51(Mouse)

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

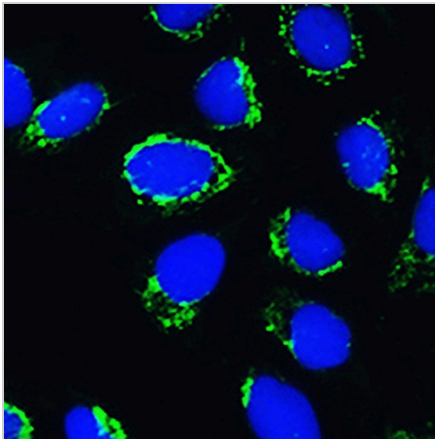
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of PTCD3 expression in A549 (A), K562 (B) whole cell lysates. (Predicted band size: 31; 78 kD; Observed band size: 79 kD)



Immunofluorescent analysis of PTCD3 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 AREX® Fluor 488 -conjugated secondary antibody (green) 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.