DATASHEET

CYS1 Rabbit Polyclonal Antibody

CAT. NO. APA18715

KEY FEATURES

Target	CYS1	**Source / Host**	Rabbit
Reactivity	Human, Mouse	**Clonality**	Polyclonal
Applications	WB, IHC	**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

Cystin-1 (CYS1), also known as Cilia-associated protein. Subunit: Interacts (when myristoylated) with UNC119 and UNC119B; interaction is required for localization to cilium Subcellular location: Cell projection, cilium membrane; Cytoplasm, cytoskeleton, cilium axoneme Tissue specificity: Expressed at high levels in the kidney and pancreas. Moderate expression seen in the skeletal muscle, liver and heart. A weak expression seen in the brain, lung, uterus, prostate, testis, small intestine and colon Developmental stage: Fetal kidney

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IHC	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 CYS1
Specificity	Recognizes endogenous levels of CYS1 protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the C-terminal region of human CYS1. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 16 kD; Observed: 20 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	Cystin-1; Cilia-associated protein
Gene Symbol	CYS1
Entrez Gene	192668(Human); 12879(Mouse)
SwissProt	Q717R9(Human); Q8R4T1(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.

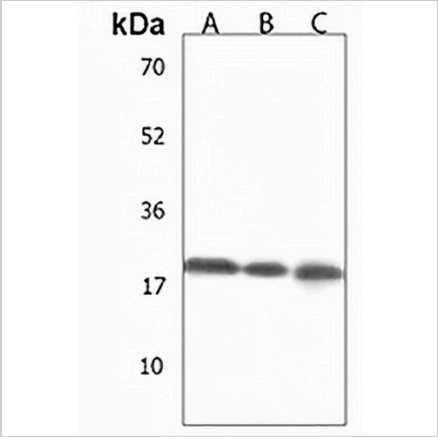
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET

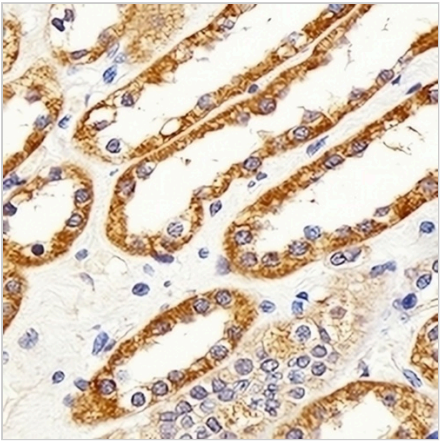
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Western blot analysis of CYS1 expression in human heart (A), human kidney (B), mouse kidney (C) whole cell lysates. (Predicted band size: 16 kD; Observed band size: 20 kD)



Immunohistochemical analysis of CYS1 staining in human kidney formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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.