

DATASHEET

Aquaporin 10 Rabbit Polyclonal Antibody

CAT. NO. APA14251

KEY FEATURES

Target	Aquaporin 10	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	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

Aquaglyceroporins form homotetrameric transmembrane channels, with each monomer independently mediating glycerol and water transport across the plasma membrane along their osmotic gradient . Could also be permeable to urea . Among aquaglyceroporins, it exhibits a unique pH-gated glycerol transport activity, being more active at acidic pH. It most likely plays a central role in the efflux of glycerol formed during triglyceride hydrolysis in adipocytes and in glycerol uptake by enterocytes, as both processes occur and are stimulated at acidic pH .

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
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

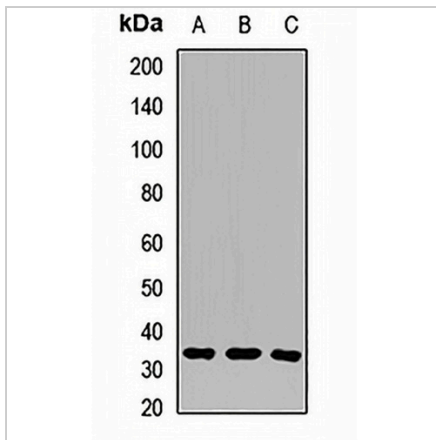
Description	Rabbit polyclonal antibody to Aquaporin 10
Specificity	Recognizes endogenous levels of Aquaporin 10 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human Aquaporin 10
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 27; Observed: 35 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	Aquaporin-10; AQP-10; Aquaglyceroporin-10; Small intestine aquaporin
Gene Symbol	AQP10
Entrez Gene	89872(Human)
SwissProt	Q96PS8(Human)

*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 Aquaporin 10 expression in A549 (A), K562 (B), mouse stomach (C) whole cell lysates. (Predicted band size: 27; 31 kD; Observed band size: 35 kD)

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.