

DATASHEET

NBC4 Rabbit Polyclonal Antibody

CAT. NO. APA13941

KEY FEATURES

Target	NBC4	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

Mediates sodium- and bicarbonate-dependent electrogenic sodium bicarbonate cotransport, with a Na(+):HCO3(-) stoichiometry varying from 1:2 to 1:3.

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

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

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to NBC4
Specificity	Recognizes endogenous levels of NBC4 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human NBC4
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 107-126 kD; Observed: 126 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	NBC4; Electrogenic sodium bicarbonate cotransporter 4; NBCe2; Solute carrier family 4 member 5
Gene Symbol	SLC4A5
Entrez Gene	57835(Human); 297386(Rat)
SwissProt	Q9BY07(Human); Q6RI88(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.

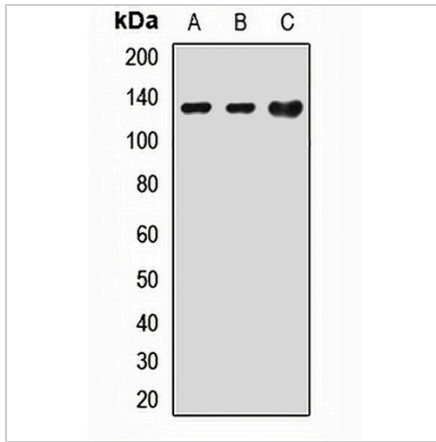
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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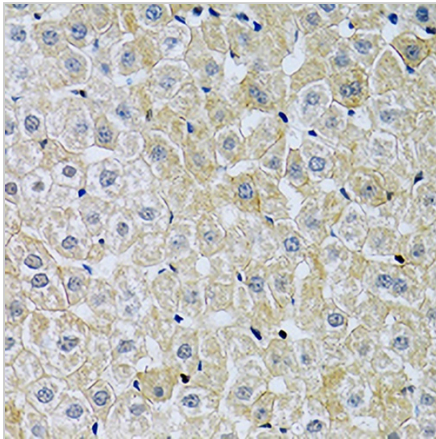
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DATA



Western blot analysis of NBC4 expression in LO2 (A), SW480 (B), mouse kidney (C) whole cell lysates. (Predicted band size: 107-126 kD; Observed band size: 126 kD)



Immunohistochemical analysis of NBC4 staining in rat liver 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.