



Datasheet for ABIN7151491
anti-NBC4 antibody (AA 1071-1137)



[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	NBC4
Binding Specificity:	AA 1071-1137
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NBC4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Electrogenic sodium bicarbonate cotransporter 4 protein (1071-1137AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	NBC4
Alternative Name:	SLC4A5 (NBC4 Products)
Background:	Background: Mediates sodium- and bicarbonate-dependent electrogenic sodium bicarbonate cotransport, with a Na(+):HCO3(-) stoichiometry of 2:1. May have a housekeeping function in

Target Details

regulating the pH of tissues in which it is expressed. May play a role in mediating Na(+):HCO3(-) cotransport in hepatocytes and intrahepatic cholangiocytes. Also may be important in protecting the renal paranchyma from alterations in urine pH .

Aliases: Electrogenic sodium bicarbonate cotransporter 4 antibody, MGC129662 antibody, NBC4 antibody, NBCe2 antibody, S4A5_HUMAN antibody, SLC4A5 antibody, Solute carrier family 4 member 5 antibody, Solute carrier family 4 sodium bicarbonate cotransporter member 5 antibody

UniProt: [Q9BY07](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

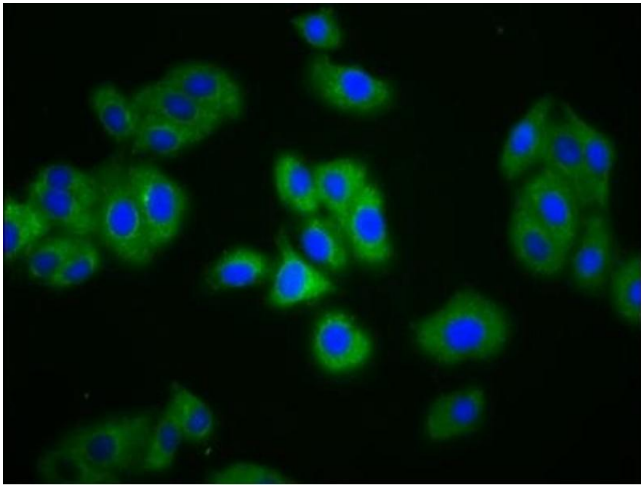
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

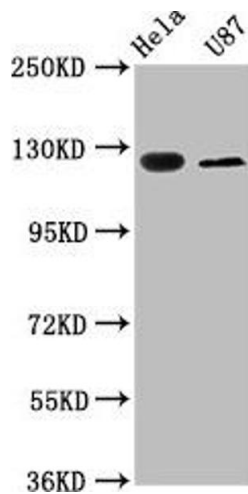
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunofluorescence

Image 1. Immunofluorescence staining of HepG2 cells with ABIN7151491 at 1:133, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde, permeabilized using 0.2 % Triton X-100 and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Western Blotting

Image 2. Western Blot Positive WB detected in: HeLa whole cell lysate, U87 whole cell lysate All lanes: SLC4A5 antibody at 2.7 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 127, 125, 116, 109, 108, 114, 119 kDa Observed band size: 127 kDa