

Datasheet for ABIN7148830
anti-GARP antibody (AA 131-253)[Go to Product page](#)

3 Images

Overview

Quantity:	100 µg
Target:	GARP (CNGB1)
Binding Specificity:	AA 131-253
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GARP antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Cyclic nucleotide-gated cation channel beta-1 protein (131-253AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	GARP (CNGB1)
Alternative Name:	CNGB1 (CNGB1 Products)
Background:	Background: Subunit of cyclic nucleotide-gated (CNG) channels, nonselective cation channels, which play important roles in both visual and olfactory signal transduction. When associated

Target Details

with CNGA1, it is involved in the regulation of ion flow into the rod photoreceptor outer segment (ROS), in response to light-induced alteration of the levels of intracellular cGMP.

Aliases: CNGB1 antibody, CNCG2 antibody, CNCG3L antibody, CNCG4 antibody, RCNC2Cyclic nucleotide-gated cation channel beta-1 antibody, Cyclic nucleotide-gated cation channel 4 antibody, CNG channel 4 antibody, CNG-4 antibody, CNG4 antibody, Cyclic nucleotide-gated cation channel gamma antibody, Cyclic nucleotide-gated cation channel modulatory subunit antibody, Cyclic nucleotide-gated channel beta-1 antibody, CNG channel beta-1 antibody, Glutamic acid-rich protein antibody, GARP antibody

UniProt: [Q14028](#)

Pathways: [Regulation of G-Protein Coupled Receptor Protein Signaling](#), [Phototransduction](#)

Application Details

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

Restrictions: For Research Use only

Handling

Format: Liquid

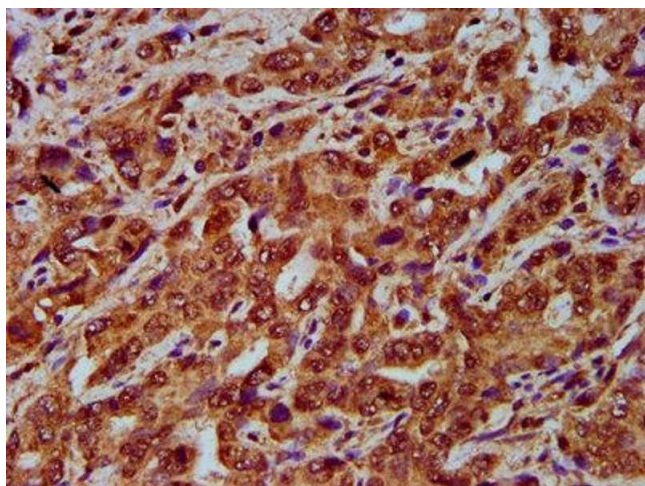
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

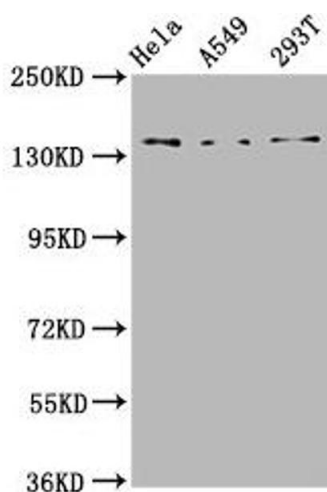
Storage: -20 °C, -80 °C

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



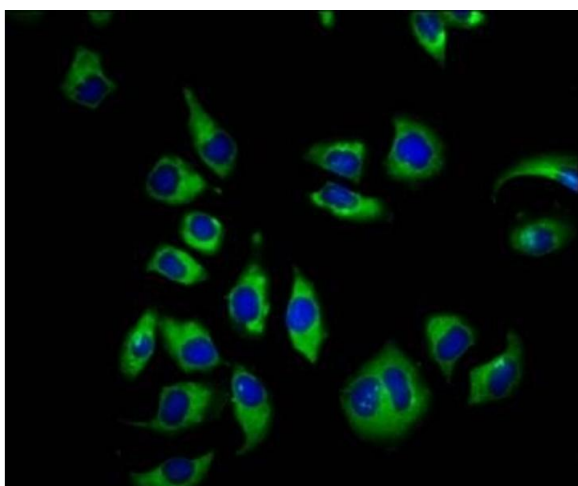
Immunohistochemistry

Image 1. IHC image of ABIN7148830 diluted at 1:200 and staining in paraffin-embedded human liver cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Western Blotting

Image 2. Western Blot Positive WB detected in: HeLa whole cell lysate, A549 whole cell lysate, 293T whole cell lysate All lanes: CNGB1 antibody at 4.6 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 140, 71, 33 kDa Observed band size: 140 kDa



Immunofluorescence

Image 3. Immunofluorescence staining of A549 cells with ABIN7148830 at 1:66, 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).