

Datasheet for ABIN7144304
anti-Anoctamin 2 antibody (AA 1-83)[Go to Product page](#)

3 Images

Overview

Quantity:	100 µg
Target:	Anoctamin 2 (ANO2)
Binding Specificity:	AA 1-83
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Anoctamin 2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Anoctamin-2 protein (1-83AA)
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Purification:	>95%, Protein G purified

Target Details

Target:	Anoctamin 2 (ANO2)
Alternative Name:	ANO2 (ANO2 Products)
Background:	Background: Calcium-activated chloride channel (CaCC) which may play a role in olfactory signal transduction. Odorant molecules bind to odor-sensing receptors (OSRs), leading to an

Target Details

increase in calcium entry that activates CaCC current which amplifies the depolarization of the OSR cells, ANO2 seems to be the underlying chloride channel involved in this process. May mediate light perception amplification in retina.

Aliases: Ano2 antibody, ANO2_HUMAN antibody, Anoctamin 2 antibody, Anoctamin-2 antibody, C12orf3 antibody, Chromosome 12 open reading frame 3 antibody, DKFZp434P102 antibody, Transmembrane protein 16B (eight membrane-spanning domains) antibody, Transmembrane protein 16B antibody

UniProt: [Q9NQ90](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:500-1:1000, IF:1:200-1:500,

Restrictions: For Research Use only

Handling

Format: Liquid

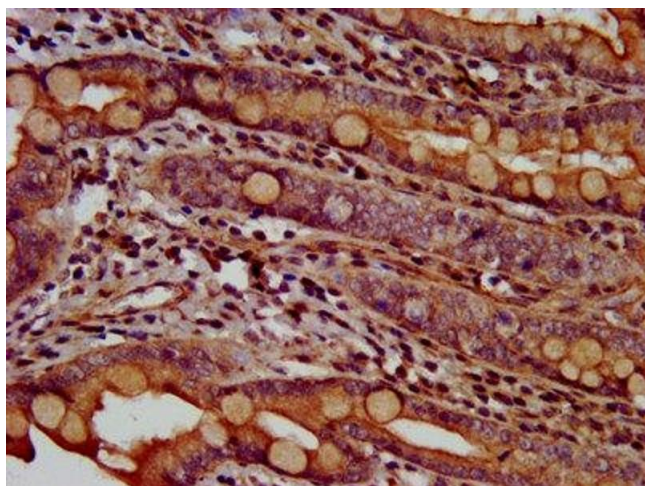
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

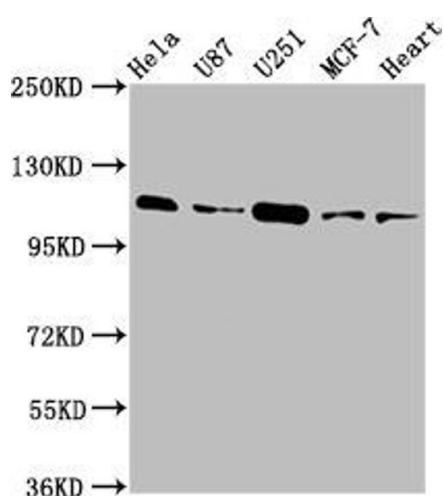
Storage: -20 °C, -80 °C

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



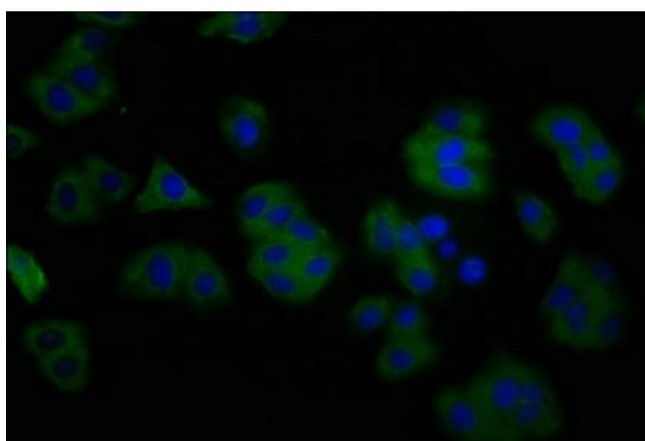
Immunohistochemistry

Image 1. IHC image of ABIN7144304 diluted at 1:600 and staining in paraffin-embedded human small intestine tissue 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, U87 whole cell lysate, U251 whole cell lysate, MCF-7 whole cell lysate, Rat heart tissue. All lanes: ANO2 antibody at 3.9 µg/mL. Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 114 kDa. Observed band size: 114 kDa.



Immunofluorescence

Image 3. Immunofluorescence staining of HepG2 cells with ABIN7144304 at 1:200, 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).