

Datasheet for ABIN7043880  
**anti-ZACN antibody (Extracellular, N-Term)**[Go to Product page](#)

## 3 Images

## Overview

Quantity:	50 µL
Target:	ZACN
Binding Specificity:	AA 157-170, Extracellular, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ZACN antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunocytochemistry (ICC), Immunofluorescence (IF), Live Cell Imaging (LCI)

## Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: CNFELLHFPRDHSN, corresponding to amino acid residues 157-170 of human ZACN
Isotype:	IgG
Characteristics:	Anti-Human ZACN (extracellular) Antibody (ABIN7043880 and ABIN7045343)) is a highly specific antibody directed against an epitope of the human Zinc-activated ligand-gated ion channel. The antibody can be used in western blot, immunocytochemistry, and indirect flow cytometry applications. The antibody recognizes an extracellular epitope, and is thus ideal for detecting ZAC in living cells. It has been designed to recognize ZAC from human samples only.
Purification:	Affinity purified on immobilized antigen.

## Target Details

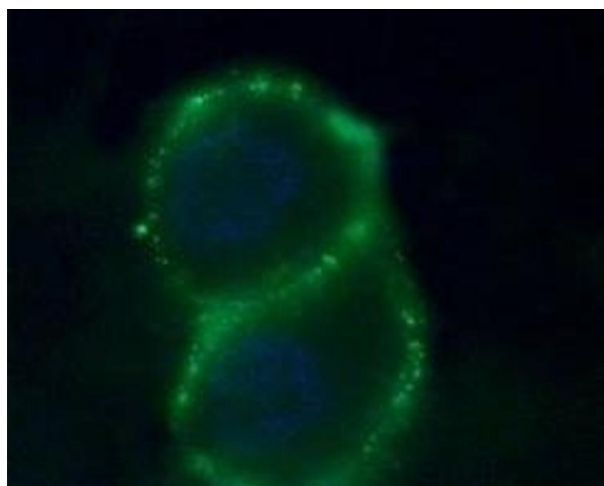
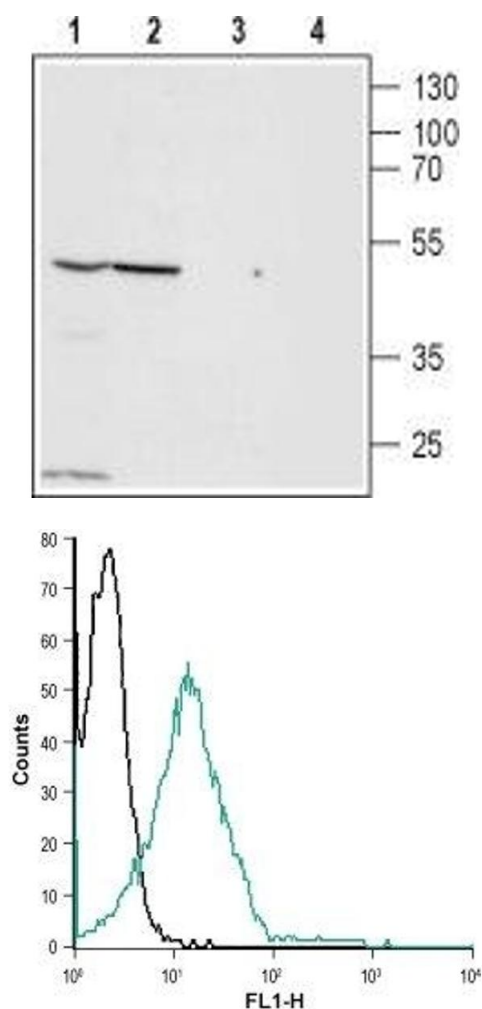
Target:	ZACN
Alternative Name:	ZACN ( <a href="#">ZACN Products</a> )
Background:	Alternative names: ZACN, Zinc-activated ligand-gated ion channel, Ligand-gated ion channel zinc-activated 1, Ligand-gated ion-channel receptor L2, ZAC, LGICZ1
Gene ID:	353174
NCBI Accession:	<a href="#">NM_180990</a>
UniProt:	<a href="#">Q401N2</a>
Pathways:	<a href="#">Synaptic Membrane</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Reconstitution:	50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT, 4 °C, -20 °C
Storage Comment:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).</p>



### Western Blotting

**Image 1.** Western blot analysis of PANC-1 (lanes 1 and 3) and Jurkat (lanes 2 and 4) cell lysates: - 1,2. Anti-Human ZACN (extracellular) Antibody (ABIN7043880 and ABIN7045343), (1:200).3,4. Anti-Human ZACN (extracellular) Antibody, preincubated with Human ZACN (extracellular) Blocking Peptide (#BLP-ZC001).

### Flow Cytometry

**Image 2.** Cell surface detection of ZAC in Jurkat living cells: (black line) Unstained cells. (green line) Cells + Anti-Human ZACN (extracellular) Antibody (ABIN7043880 and ABIN7045343), (5-10  $\mu$ g/ $1 \times 10^6$  cells).

### Immunocytochemistry

**Image 3.** Expression of Zinc-activated channel in human PANC-1 cells - Cell surface detection of Zinc-activated channel in human intact living pancreatic adenocarcinoma (PANC-1) cells. Extracellular staining (green) of cells with Anti-Human ZACN (extracellular) Antibody (ABIN7043880 and ABIN7045343), (1:25) followed by goat anti-rabbit-AlexaFluor-488 secondary antibody. DAPI is used as the counterstain (blue).