

ZACN Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5090b**Specification**

ZACN Antibody (C-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	Q401N2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	45816
Antigen Region	331-360

ZACN Antibody (C-term) - Additional Information**Gene ID** 353174**Other Names**

Zinc-activated ligand-gated ion channel, Ligand-gated ion channel zinc-activated 1, Ligand-gated ion-channel receptor L2, ZACN, L2, LGICZ, LGICZ1, ZAC

Target/Specificity

This ZACN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 331-360 amino acids from the C-terminal region of human ZACN.

Dilution

WB~~1:1000

IHC-P~~1:50~100

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ZACN Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ZACN Antibody (C-term) - Protein Information**Name** ZACN ([HGNC:29504](#))**Function** Ligand-gated cation channel that allows the movement of sodium and potassium

monoatomic cations across cell membranes when activated by zinc (Zn^{2+}), copper (Cu^{2+}), and changes in pH (PubMed:[26872532](#)). Could also transport cesium (PubMed:[26872532](#)).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

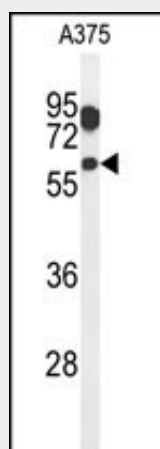
Detected in pancreas, brain, liver, placenta, trachea, kidney, spinal cord, stomach and fetal brain. In the adult brain region expression is detected in the hippocampus, striatum, amygdala and thalamus.

ZACN Antibody (C-term) - Protocols

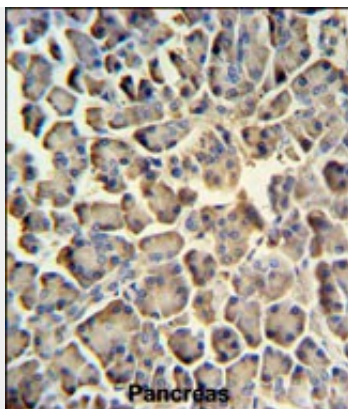
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ZACN Antibody (C-term) - Images



Western blot analysis of ZACN Antibody (C-term) (Cat. #AP5090b) in A375 cell line lysates (35ug/lane). ZACN (arrow) was detected using the purified Pab.



ZACN Antibody (C-term) (Cat. #AP5090b) IHC analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ZACN Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ZACN Antibody (C-term) - Background

ZACN is a zinc-activated ligand-gated ion channel that defines a new subgroup of the cysteine-loop superfamily of ligand-gated ion channels.

ZACN Antibody (C-term) - References

Houtani, T., et al. Biochem. Biophys. Res. Commun. 335(2):277-285(2005)
Davies, P.A., et al. J. Biol. Chem. 278(2):712-717(2003)