

LGICZ1 Rabbit pAb

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Catalog # AP57006

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q401N2
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45816
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human LGICZ1
Epitope Specificity	1-100/412
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Integral to plasma membrane; postsynaptic membrane.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	LGICZ1 is a zinc-activated ligand-gated ion channel that defines a new subgroup of the cysteine-loop superfamily of ligand-gated ion channels (Davies et al., 2003 [PubMed 12381728]).[supplied by OMIM, Mar 2008]

Additional Information

Gene ID	353174
Other Names	Ligand-gated cation channel ZACN, Ligand-gated ion channel zinc-activated 1 {ECO:0000312 HGNC:HGNC:29504}, Ligand-gated ion-channel receptor L2, Zinc-activated channel, ZACN (HGNC:29504)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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.

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.