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Nicalin Polyclonal Antibody

Catalog # AP71307

Product Information

Application	WB, IHC-P
Primary Accession	Q969V3
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	62974

Additional Information

Gene ID	56926
Other Names	NCLN; Nicalin; Nicastrin-like protein
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications. IHC-P~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

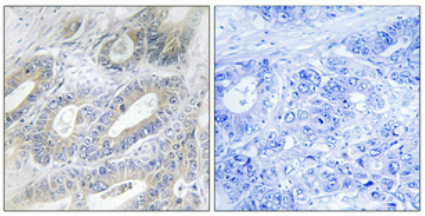
Protein Information

Name	NCLN {ECO:0000303|PubMed:36261522, ECO:0000312|HGNC:HGNC:26923}
Function	Component of the multi-pass translocon (MPT) complex that mediates insertion of multi-pass membrane proteins into the lipid bilayer of membranes (PubMed:32820719, PubMed:36261522). The MPT complex takes over after the SEC61 complex: following membrane insertion of the first few transmembrane segments of proteins by the SEC61 complex, the MPT complex occludes the lateral gate of the SEC61 complex to promote insertion of subsequent transmembrane regions (PubMed:36261522). May antagonize Nodal signaling and subsequent organization of axial structures during mesodermal patterning, via its interaction with NOMO (By similarity).
Cellular Location	Endoplasmic reticulum membrane; Single-pass membrane protein
Tissue Location	Highly expressed in pancreas and skeletal muscle and, at lower levels, in heart.

Background

May antagonize Nodal signaling and subsequent organization of axial structures during mesodermal patterning.

Images



Immunohistochemical analysis of paraffin-embedded Human colon cancer. Antibody was diluted at 1:100(4°,overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.