

## Anti-Nicalin NCLN Antibody

Catalog Number: A12284-1

### About NCLN

Nicalin, along with its binding partner Nomo, is a novel signaling antagonist to Nodals, signaling factors of the TGF-beta superfamily that play a key role in vertebrate development. Nicalin is distantly related to Nicastrin, a component of the Alzheimer's disease-associated gamma-secretase, and is thought to have a similar function. Another protein, TMEM147, has also been recently identified as associating with Nicalin and NOMO as part of the gamma-secretase-like complex.

### Overview

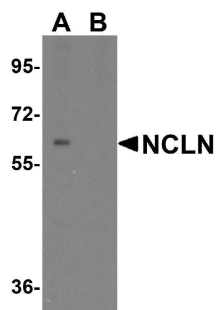
Product Name	Anti-Nicalin NCLN Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Nicalin NCLN Antibody (Catalog # A12284-1). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	NCLN Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	NCLN antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q969V3

### Technical Details

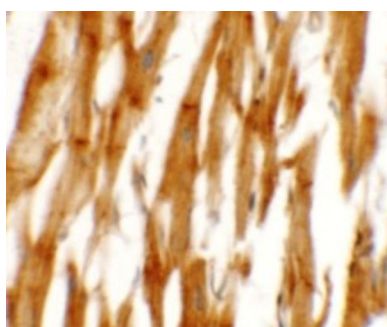
Immunogen	NCLN antibody was raised against an 18 amino acid synthetic peptide near the carboxy terminus of human NCLN. The immunogen is located within amino acids 390 - 440 of NCLN.
Predicted Reactive Species	Bovine, Chicken
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	NCLN Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	NCLN antibody can be used for detection of NCLN by Western blot at 0.5 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 2.5 ug/mL.

Antibody validated: Western Blot in mouse samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

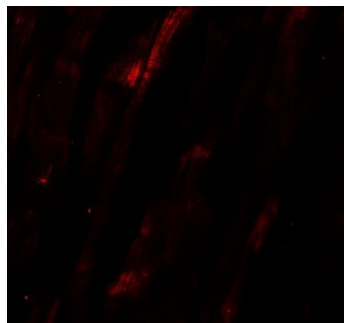
## Anti-Nicalin NCLN Antibody (A12284-1) Images



Western blot analysis of NCLN in mouse heart tissue lysate with NCLN antibody at 0.5 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of NCLN in human heart tissue with NCLN antibody at 2.5 ug/mL.



Immunofluorescence of NCLN in human heart tissue with NCLN antibody at 20 ug/mL.

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