

# Product Datasheet

## Claudin-14 Antibody NB100-1070

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NB100-1070**

## Claudin-14 Antibody

Product Information	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA
<b>Target Molecular Weight</b>	27 kDa

Product Description	
<b>Description</b>	Novus Biologicals Goat Claudin-14 Antibody (NB100-1070) is a polyclonal antibody validated for use in IHC, WB and ELISA. Anti-Claudin-14 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Goat
<b>Gene ID</b>	23562
<b>Gene Symbol</b>	CLDN14
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Predicted cross-reactivity based on sequence identity: Rat, Canine, Porcine, Bovine. Mouse reactivity reported in scientific literature (PMID: 21454667).
<b>Specificity/Sensitivity</b>	Reported variants represent identical protein (NP_036262.1; NP_652763.1; NP_001139551.1; NP_001139550.1 and NP_001139549.1).
<b>Immunogen</b>	Peptide with sequence C-SATHSGYRLNDYV corresponding to C-Terminus according to NP_036262.1.

Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 0.3 - 1 ug/ml, ELISA 1:4000, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Application Notes</b>	WB: Approx. 23 kDa band observed in human liver lysate (calculated MW of 25.7 kDa band according to NP_652763.1). IHC successful usage on mouse heart. IHC: This antibody has been successfully used in IHC on mouse heart. Use in IHC-P reported in scientific literature (PMID: 21454667).

## Images

Western Blot: Claudin-14 Antibody [NB100-1070] - Staining of human liver lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



250kDa  
150kDa  
100kDa  
75kDa  
50kDa  
37kDa  
25kDa  
20kDa  
15kDa

## Publications

Wilcox ER, Burton QL, Naz S et al. Mutations in the gene encoding tight junction claudin-14 cause autosomal recessive deafness DFNB29. *Cell* 2001-01-12 [PMID: 11163249]

Sato M, Hiraoka M, Suzuki H et al. Identification of transcription factor E3 (TFE3) as a receptor-independent activator of G16: gene regulation by nuclear G subunit and its activator. *J Biol Chem* 2011-05-20 [PMID: 21454667] (IHC-P, Mouse)



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### Products Related to NB100-1070

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NB820-59232	Human Liver Whole Tissue Lysate (Adult Whole Normal)
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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