

# Product Datasheet

## Claudin-3 Antibody (CL13129)

### NBP3-18563-100ul

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP3-18563-100ul**

Claudin-3 Antibody (CL13129)

**Product Information**

<b>Unit Size</b>	100 ul
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	CL13129
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS, pH 7.2, 40% glycerol

**Product Description**

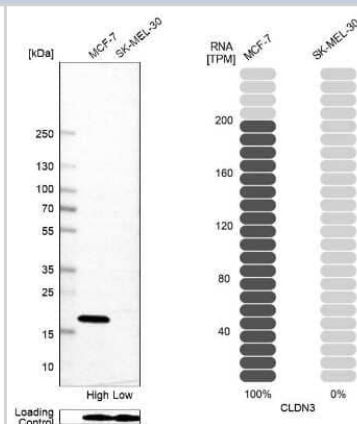
<b>Host</b>	Mouse
<b>Gene ID</b>	1365
<b>Gene Symbol</b>	CLDN3
<b>Species</b>	Human
<b>Immunogen</b>	This antibody was developed using a synthetic peptide derived from O15551, with the exact immunogen sequence remaining proprietary.

**Product Application Details**

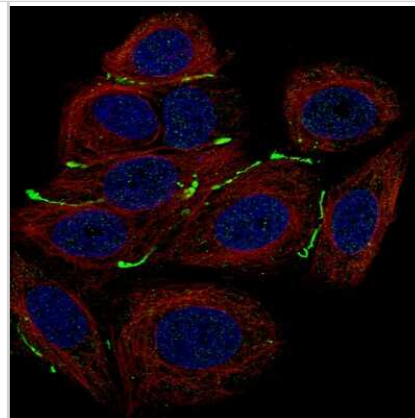
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000
<b>Application Notes</b>	For use with IHC-Paraffin, HIER pH 6 retrieval is recommended. For use with ICC/IF, PFA/Triton X-100 is recommended for fixation/permeabilization.

**Images**

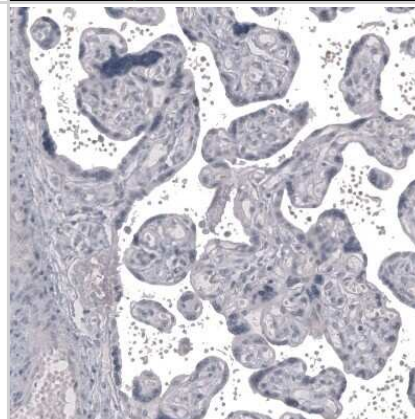
Western Blot: Claudin-3 Antibody (CL13129) [NBP3-18563] - Analysis in human cell line MCF-7 and human cell line SK-MEL-30.



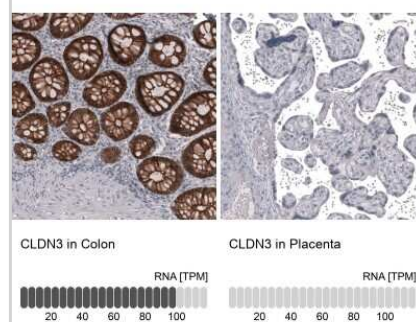
**Immunocytochemistry/Immunofluorescence: Claudin-3 Antibody (CL13129) [NBP3-18563]** - Staining of MCF-7 cells using the Anti-CLDN3 monoclonal antibody, showing specific staining in cell junctions in green. Microtubule- and nuclear probes are visualized in red and blue, respectively (where available).



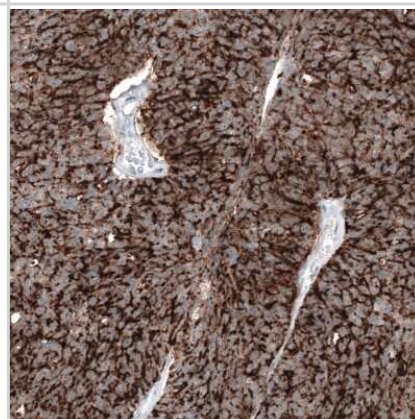
**Immunohistochemistry-Paraffin: Claudin-3 Antibody (CL13129) [NBP3-18563]** - Staining of human placenta shows no positivity in trophoblastic cells as expected.



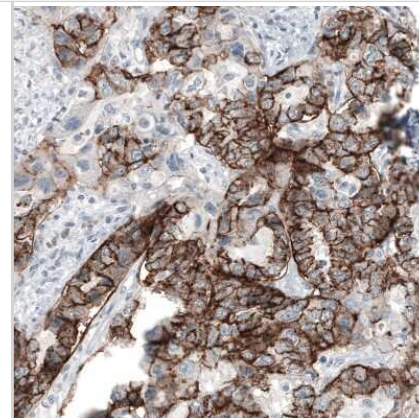
**Immunohistochemistry-Paraffin: Claudin-3 Antibody (CL13129) [NBP3-18563]** - Analysis in human colon and placenta tissues using NBP3-18563 antibody. Corresponding CLDN3 RNA-seq data are presented for the same tissues.



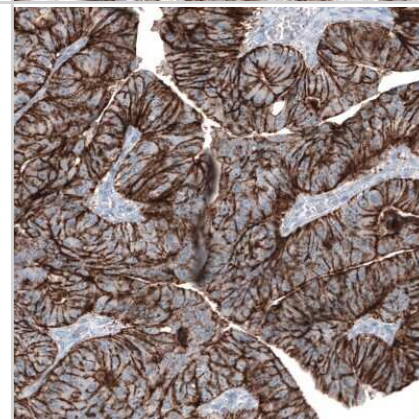
**Immunohistochemistry-Paraffin: Claudin-3 Antibody (CL13129) [NBP3-18563]** - Staining of human ovarian cancer (high grade serous carcinoma) shows strong membranous positivity in tumor cells.



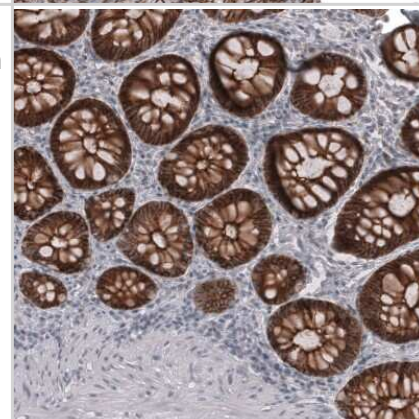
Immunohistochemistry-Paraffin: Claudin-3 Antibody (CL13129) [NBP3-18563] - Staining of human ovarian cancer (endometrioid carcinoma) shows strong membranous positivity in tumor cells.



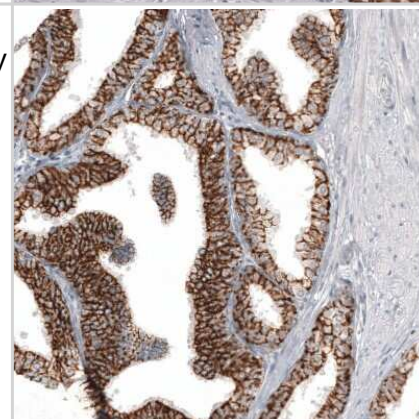
Immunohistochemistry-Paraffin: Claudin-3 Antibody (CL13129) [NBP3-18563] - Staining of human colorectal cancer (metastasis to ovary) shows strong membranous positivity in tumor cells.



Immunohistochemistry-Paraffin: Claudin-3 Antibody (CL13129) [NBP3-18563] - Staining of human colon shows strong membranous positivity in glandular cells.



Immunohistochemistry-Paraffin: Claudin-3 Antibody (CL13129) [NBP3-18563] - Staining of human prostate shows strong membranous positivity in glandular cells.





**Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

**Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

**Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

**General Contact Information**

[www.novusbio.com](http://www.novusbio.com)  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

**Products Related to NBP3-18563-100ul**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
H00001365-P01-10ug	Recombinant Human Claudin-3 GST (N-Term) Protein

**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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