

Product Datasheet

Claudin 3/CLDN3 Rabbit Polyclonal Antibody (orb669072)

Catalog Number	orb669072
Category	Antibodies
Description	Anti-Claudin 3/CLDN3 Antibody. Tested in IF, ICC, WB applications. This antibody reacts with Mouse, Rat.
Target	Claudin-3
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	Rabbit IgG
Conjugation	Unconjugated
Reactivity	Mouse, Rat
Form/Appearance	Lyophilized
Concentration	500 µg/ml
Buffer/Preservatives	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.01mg NaN ₃ .
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Purification	Immunogen affinity purified.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse Claudin 3/CLDN3, which shares 73.3% and 94.1% amino acid (aa) sequence identity with human and rat Claudin 3/CLDN3, respectively.

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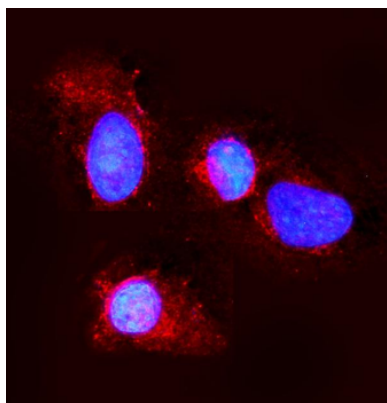
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UniProt ID	Q9Z0G9
MW	23 kDa
Tested applications	ICC, IF, WB
Dilution range	Western blot, 0.25-0.5µg/ml, Rat Immunocytochemistry/Immunofluorescence, 5µg/ml, Mouse
Cross Reactivity	No cross-reactivity with other proteins.
Antibody Type	Primary Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



IF analysis of Claudin 3/CLDN3 using anti-Claudin 3/CLDN3 antibody. Claudin 3/CLDN3 was detected in immunocytochemical section of NIH/3T3 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 µg/mL rabbit anti-Claudin 3/CLDN3 Antibody overnight at 4°C. DyLight®594 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

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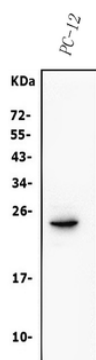
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Western blot analysis of Claudin 3/CLDN3 using anti-Claudin 3/CLDN3 antibody. Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50 ug of sample under reducing conditions. Lane 1: rat PC-12 whole cell lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Claudin 3/CLDN3 antigen affinity purified polyclonal antibody at 0.5 μ g/mL overnight at 4°C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Claudin 3/CLDN3 at approximately 23 KD. The expected band size for Claudin 3/CLDN3 is at 23 KD.

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