

# **Product datasheet for TA374854**

# **Claudin 5 (CLDN5) Rabbit Polyclonal Antibody**

### **Product data:**

#### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product Type:	Primary Antibodies
Applications:	ICC/IF, WB
Recommended Dilution:	WB,1:500 - 1:2000 IF,1:50 - 1:200
Reactivity:	Human, Mouse, Rat
Modifications:	Unmodified
Host:	Rabbit
lsotype:	lgG
Clonality:	Polyclonal
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 230-303 of human CLDN5 (NP_001124333.1).
Formulation:	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	23kDa
Gene Name:	claudin 5
Database Link:	Entrez Gene 7122 Human O00501
Background:	This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or endothelial cell sheets. Mutations in this gene have been found in patients with velocardiofacial syndrome. Alternatively spliced transcript variants encoding the same protein have been found for this gene.

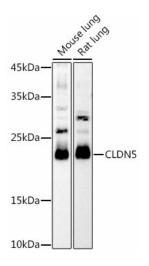


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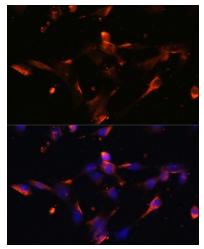
#### Synonyms:

#### AWAL; BEC1; CPETRL1; OTTHUMP00000197372; OTTHUMP00000197819; TMDVCF; TMVCF

## **Product images:**



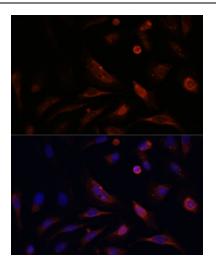
Western blot analysis of extracts of various cell lines, using CLDN5 antibody (TA374854) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit . | Exposure time: 60s.



Immunofluorescence analysis of NIH/3T3 cells using CLDN5 antibody (TA374854) at dilution of 1:100. Blue: DAPI for nuclear staining.

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Immunofluorescence analysis of U2OS cells using CLDN5 antibody (TA374854) at dilution of 1:100. Blue: DAPI for nuclear staining.

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