

## Rabbit Claudin 11 Polyclonal Antibody | anti-CLDN11 antibody

Claudin 11 Antibody

| CATALOG # | HOST   | REACTIVITY             | APPLICATIONS                                                                       |
|-----------|--------|------------------------|------------------------------------------------------------------------------------|
| AAA322015 | Rabbit | Human, Mouse, Rat, Cow | ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot |

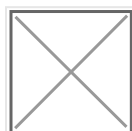
### PRODUCT SYNONYMS

Claudin 11; Polyclonal Antibody; Claudin 11 Antibody; Claudin-11; CLD11\_HUMAN; Cldn11; Oligodendrocyte transmembrane protein; Oligodendrocyte-specific protein; OSP; OTM; anti-CLDN11 antibody

### PRODUCT SPECIFICATIONS

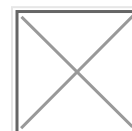
|                                                  |                                                                                                          |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                   |
| Reactivity                                       | Human, Mouse, Rat, Cow                                                                                   |
| Clonality                                        | Polyclonal                                                                                               |
| Isotype                                          | IgG                                                                                                      |
| Specificity                                      | Claudin 11 antibody detects endogenous levels of total Claudin 11                                        |
| Purity/Purification                              | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.            |
| Form/Format                                      | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.            |
| Concentration                                    | 1mg/ml (varies by lot)                                                                                   |
| Sequence Length                                  | 207                                                                                                      |
| Applicable Applications for anti-CLDN11 antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot) |
| Immunogen                                        | A synthesized peptide derived from human Claudin 11                                                      |
| Subcellular Location                             | Cell Junction > Tight Junction. Cell Membrane.                                                           |
| Predicted Cross Reactivity                       | <b>Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken</b>                                                   |
| Similarity                                       | Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%)         |
| Conjugation                                      | Unconjugated                                                                                             |
| Preparation and Storage                          | Store at -20 degree C. Stable for 12 months from date of receipt.                                        |

### IMAGES



#### IHC (Immunohistochemistry)

AAA322015 at 1/100 staining Human urothelial cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



#### IF (Immunofluorescence)

AAA322015 staining U87-MG cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



#### WB (Western Blot)

Western blot analysis of Claudin 11 expression in Mouse brain extract. The lane on the left is treated with the antigen-specific peptide.

### ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CLDN11 antibody | Description: Plays a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity.<br>Subunit Structure: Interacts with tetraspanin-3/TSPAN3 (By similarity). Interacts with OCLN (PubMed:20375010).<br>Similarity: Belongs to the claudin family. |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### NCBI AND UNIPROT INFORMATION

|                                  |                                       |
|----------------------------------|---------------------------------------|
| NCBI GI #                        | 10938016                              |
| NCBI GeneID                      | 5010                                  |
| NCBI Accession #                 | NP_005593.2                           |
| NCBI GenBank Nucleotide #        | NM_005602.5                           |
| UniProt Accession #              | O75508; Q5U0P3; B2R7C1; D3DNQ5        |
| Molecular Weight                 | Observed: 22 kDa<br>Predicted: 22 kDa |
| NCBI Official Full Name          | claudin-11 isoform 1                  |
| NCBI Official Synonym Full Names | claudin 11                            |
| NCBI Official Symbol             | CLDN11                                |
| NCBI Official Synonym Symbols    | OSP; OTM                              |
| NCBI Protein Information         | claudin-11                            |
| UniProt Protein Name             | Claudin-11                            |
| UniProt Gene Name                | CLDN11                                |
| UniProt Synonym Gene Names       | OSP; OTM                              |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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