

## Rabbit anti-Human, Rat CLDN19 Polyclonal Antibody | anti-CLDN19 antibody

CLDN19 Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                 |
|-----------|--------|------------|--------------------------------------------------------------|
| AAA324617 | Rabbit | Human, Rat | ELISA, Immunocytochemistry, Immunofluorescence, Western Blot |

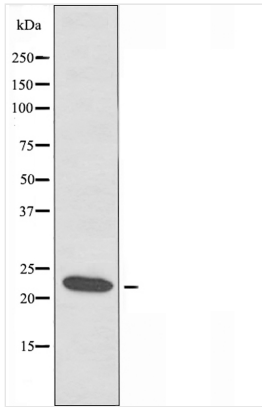
### PRODUCT SYNONYMS

CLDN19; Polyclonal Antibody; CLDN19 Antibody; Claudin 19; CLDN 19; anti-CLDN19 antibody

### PRODUCT SPECIFICATIONS

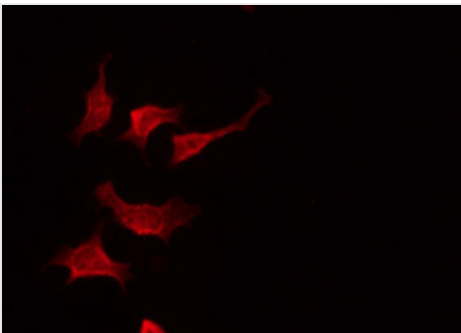
|                                                  |                                                                                               |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                        |
| Reactivity                                       | Human, Rat                                                                                    |
| Clonality                                        | Polyclonal                                                                                    |
| Isotype                                          | IgG                                                                                           |
| Specificity                                      | CLDN19 antibody detects endogenous levels of total CLDN19                                     |
| 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                                  | 211                                                                                           |
| Applicable Applications for anti-CLDN19 antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                  |
| Immunogen                                        | A synthesized peptide                                                                         |
| Subcellular Location                             | Plasma Membrane                                                                               |
| Predicted Cross Reactivity                       | <b>Pig, Bovine, Horse, Sheep, Rabbit, Dog</b>                                                 |
| Similarity                                       | Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (90%)               |
| Conjugation                                      | Unconjugated                                                                                  |
| Preparation and Storage                          | Store at -20 degree C. Stable for 12 months from date of receipt.                             |

IMAGES



WB (Western Blot)

Western blot analysis of extracts from HepG2 cells using CLDN19 antibody.



IF (Immunofluorescence)

AAA324617 staining HeLa 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) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                    |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CLDN19 antibody | Function: Plays a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity.<br>Similarity: Belongs to the claudin family. |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                        |
|----------------------------------|----------------------------------------|
| NCBI GI #                        | 183979975                              |
| NCBI GeneID                      | 149461                                 |
| NCBI Accession #                 | NP_001116867.1                         |
| NCBI GenBank Nucleotide #        | NM_001123395.1                         |
| UniProt Accession #              | Q8N6F1; Q5QT57; Q8N8X0; B7Z5I2; F5H5P9 |
| Molecular Weight                 | Observed: 23 kD<br>Predicted: 24 kDa   |
| NCBI Official Full Name          | claudin-19 isoform b                   |
| NCBI Official Synonym Full Names | claudin 19                             |
| NCBI Official Symbol             | CLDN19                                 |
| NCBI Official Synonym Symbols    | HOMG5                                  |
| NCBI Protein Information         | claudin-19                             |
| UniProt Protein Name             | Claudin-19                             |
| UniProt Gene Name                | CLDN19                                 |

**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.