



# Claudin-2 Mouse Monoclonal Antibody(8H11)

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No         | BYab-21118                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Isotype            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Reactivity         | Human; Mouse; Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Applications       | WB; IF;IHC                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene Name          | CLDN2 PSEC0059 SP82 UNQ705/PRO1356                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Protein Name       | Claudin-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Immunogen          | Synthesized peptide derived from human Claudin-2                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Specificity        | This antibody detects endogenous levels of human Claudin-2                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Formulation        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                |
| Source             | Monoclonal, Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Purification       | The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.                                                                                                                                                                                                                                                                                                                                                                             |
| Dilution           | WB 1:500-2000; IF/ICC 1:100-500;IHC                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Concentration      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Purity             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Storage Stability  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Synonyms           | Claudin-2 (SP82)                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Observed Band      | 25kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Cell Pathway       | Cell junction, tight junction . Cell membrane ; Multi-pass membrane protein .                                                                                                                                                                                                                                                                                                                                                                                                          |
| Tissue Specificity | Colon,Colon epithelium,Kidney,Skin,Teratocarcinoma,Thalamus,                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Function           | function:Plays a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity.,similarity:Belongs to the claudin family.,subunit:Can form homo- and heteropolymers with other CLDN. Homopolymers interact with CLDN3, but not CLDN1, homopolymers. Directly interacts with TJP1/ZO-1, TJP2/ZO-2 and TJP3/ZO-3.,                                                                                                   |
| Background         | This gene product belongs to the claudin protein family whose members have been identified as major integral membrane proteins localized exclusively at tight junctions. Claudins are expressed in an organ-specific manner and regulate tissue-specific physiologic properties of tight junctions. This protein is expressed in the intestine. Alternatively spliced transcript variants with different 5' untranslated region have been found for this gene.[provided by RefSeq, Jan |

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2010],

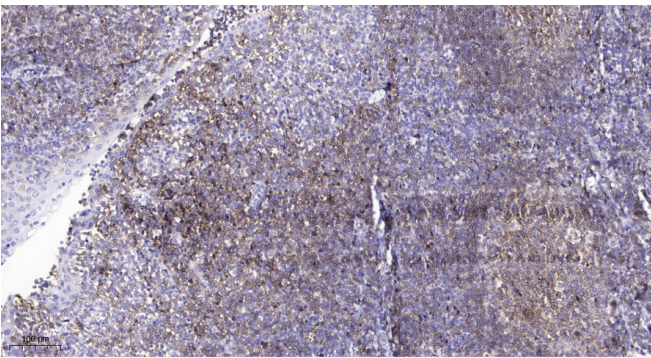
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

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网址: [www.njbybio.com](http://www.njbybio.com)

官方热线: 025-5229-8998

监督电话: 15950492658