Claudin-2 Mouse Monoclonal Antibody(8H11)

Catalog	TDY766C	TDY766F
Quantity	50μL	100μL

Tel：010-82908854
Free：400-0620-621
Web：www.tdybio.com

For research use only.

Applications	Species Cross-Reactivity	Molecular Weight	Isotype
WB,IHC	**H, R, M**	**25KD**	**IgG1**

Storage Buffer & Condition: PBS, pH 7.4, containing 0.02% ***sodium azide*** as Preservative and 50% Glycerol. Store at ***-20°C***. ***Do not aliquot the antibody***.

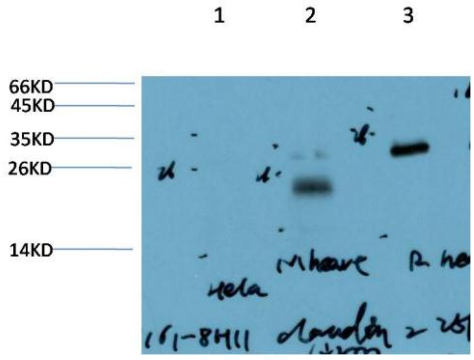
Recommended dilutions: **WB: 1:1,000~2,000 IHC：1:100~200**

Optimal dilutions should be determined by the end user.

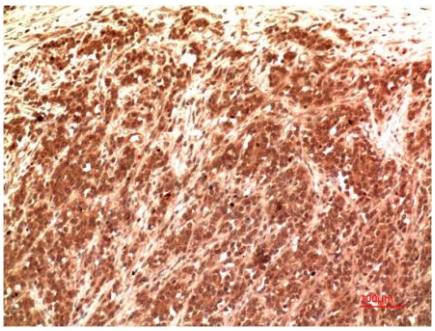
Specificity: Claudin-2 antibody detects endogenous Claudin-2 proteins.

Alternative Names:*Claudin2,CLDN2,SP82*

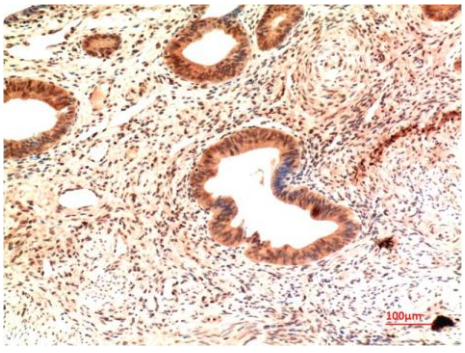
Background: The claudin family is composed of 23 integral membrane proteins, and their expression, which varies among tissue types, may determine both the strength and properties of the epithelial barrier. Alteration in claudin protein expression pattern is associated with several types of cancer . Claudin-2 is expressed primarily in the proximal tubule of the normal mammalian kidney, where it regulates transepithelial ion (e.g., Na+, Cl-) reabsorption . Increased expression of Claudin-2 has been reported in some cancer cell lines , including A549 lung adenocarcinoma cells, where its nuclear distribution was positively associated with enhanced proliferation .



Western blot analysis of 1) Hela Cell Lysate, 2) Mouse Heart Tissue Lysate , 3) Rat Heart Tissue Lysate using Claudin-2 （TDY766）Mouse mAb diluted at 1:2000.



Immunohistochemical analysis of paraffin-embedded Human Kidney Carcinoma Tissue using Claudin-2 （TDY766）Mouse mAb diluted at 1:200.



Immunohistochemical analysis of paraffin-embedded Human Endometrial Carcinoma

Applications: ***WB-Western blot IHC-Immunochemistry IF-Immunofluorescence IP-Immunoprecipitation ChIP-Chormatin Immunoprecipitation***
Reactivity: ***H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig***

Tissue using Claudin-2 （TDY766）Mouse mAb diluted at 1:200.