

**Rabbit Anti-Cadherin-6/Cadherin-K/CDH6 [MD59R]: RM0210, RM0210RTU7**

**Intended Use:** For Research Use Only

**Description:** Cadherin-6 is a member of the cadherin superfamily. Cadherins are membrane glycoproteins that mediate homophilic cell-cell adhesion and play critical roles in cell differentiation and morphogenesis. It is a type II cadherin and may play a role in kidney development as well as endometrium and placenta formation. Cadherin-6 is highly expressed in kidney and the central nervous system. It has been found to be related to fetal kidney development and has been identified as a major cadherin in renal proximal tubules where conventional renal cell carcinoma originates. The expression of Cadherin-6 is associated with tumor progression in renal cell carcinoma.

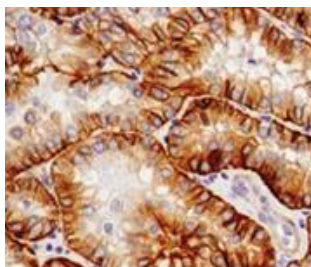
**Specifications:**

Clone: MD59R  
Source: Rabbit  
Isotype: IgG  
Reactivity: Human, monkey  
Localization: Membrane  
Formulation: Antibody in PBS pH7.4, containing BSA and  $\leq 0.09\%$  sodium azide (NaN<sub>3</sub>)  
Storage: Store at 2°- 8°C  
Applications: IHC Flow Cyt., IP, WB  
Package:

Description	Catalog No.	Size
Cadherin-6/Cadherin-K/CDH6 Concentrated	RM0210	1 ml
Cadherin-6/Cadherin-K/CDH6 Prediluted	RM0210RTU7	7 ml

**IHC Procedure\*:**

Positive Control Tissue: Kidney, RCC  
Concentrated Dilution: 25-200  
Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C  
Incubation Time and Temp: 30-60 minutes @ RT  
Detection: Refer to the detection system manual  
\* Result should be confirmed by an established diagnostic procedure.



FFPE human RCC stained with anti-Cadherin-6 using DAB

**References:**

1. Combined overexpression of cadherin 6, cadherin 11 and cluster of differentiation 44 is associated with lymph node metastasis and poor prognosis in oral squamous cell carcinoma. Ma C, et al. *Oncol Lett* 15:9498-9506, 2018.
2. A catenin-dependent balance between N-cadherin and E-cadherin controls neuroectodermal cell fate choices. Rogers CD, et al. *Mech Dev* 152:44-56, 2018.
3. Cadherin-6B undergoes macropinocytosis and clathrin-mediated endocytosis during cranial neural crest cell EMT. Padmanabhan R & Taneyhill LA *J Cell Sci* 128:1773-86, 2015.

Doc. 100-RM0210  
Rev. A