

Rabbit Anti-Cadherin-K/CDH6 [MD129R]: RM0012, RM0012RTU7

Intended Use: For Research Use Only

Description: Cadherin-K or 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-k 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:

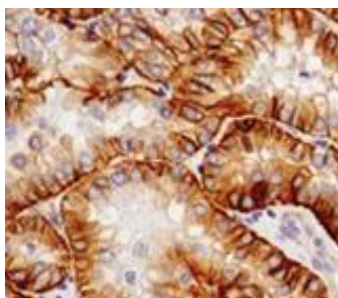
Clone: MD129R
 Source: Rabbit
 Isotype: IgG
 Reactivity: Human, monkey
 Immunogen: Synthetic peptide of surrounding Asp761 of human cadherin-K protein
 Localization: Membrane
 Formulation: Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN₃)
 Storage: Store at 2°- 8°C
 Applications: IHC, WB
 Package:

Description	Catalog No.	Size
Cadherin-K/CDH6 Concentrated	RM0012	1 ml
Cadherin-K/CDH6 Prediluted	RM0012RTU7	7 ml

IHC Procedure*:

Positive Control Tissue: Kidney, RCC
 Concentrated Dilution: 25-200
 Pretreatment: Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes 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-K 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.