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DATA SHEET

Rabbit Anti-Cadherin-ksp [EP296]: RM0358

Intended Use: For Research Use Only

Description: Kidney-specific cadherin, also known as Cadherin-16, is a member of the calcium dependent family of adhesion molecules that play important roles during embryonic development, maintenance of tissue architecture and growth control during tumorigenesis. In the kidney, Ksp-cadherin expression is uniquely localized predominantly in the distal portion of the nephron. There are four major subtypes of renal neoplasms; clear cell and papillary renal cell carcinoma are thought to be of proximal tubular origin, while oncocytoma and chromophobe renal cell carcinoma (RCC) are derived from cells of the distal nephron. Studies have shown high sensitivity and specificity of Ksp-cadherin to chromophobe RCC (86-100%) and oncocytoma (76-95%). Conversely, low reactivity was observed with clear cell RCC (14-30%) and papillary RCC (0-13%), supporting the use of Ksp-cadherin as a marker for the distal portion of the nephron, and for its use as an adjunct for the detection of chromophobe RCC and oncocytoma.

Specifications

Clone:	EP296
Source:	Rabbit
Isotype:	IgG
Reactivity:	Human
Localization:	membrane
Formulation:	Antibody in PBS pH7.5, containing 0.2% BSA and <0.1% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC

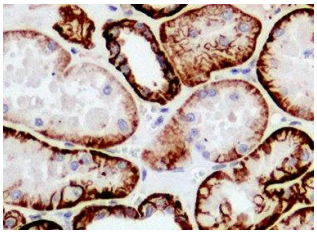
Package:

Description	Catalog No.	Size
Cadherin-ksp Concentrated	RM0358	1 ml

IHC Procedure

Positive Control:	Fetal brain lysate
Concentrated Dilution:	50-200
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 kidney stained with anti-Cadherin-ksp using DAB

References:

1. Expression of Ksp-cadherin during kidney development and in renal cell carcinoma. Thedieck C, et al. Br J Cancer. Jun 6;92(11):2010-7, 2005.
2. Ksp-cadherin is a functional cell-cell adhesion molecule related to LI-cadherin. Wendeler MW, et al. Exp Cell Res. Apr 1;294(2):345-55, 2004.
3. Immunolocalization of Ksp-cadherin in the adult and developing rabbit kidney. Thomson RB, et al. Am J Physiol. Jul;277(1 Pt 2):F146-56, 1999.

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