

KSP-Cadherin (AB1739) mouse mAb

V0384

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- Immunohistochemistry (IHC)

MW

- 90 kDa (calculated)
- kDa (observed)

Isotype

- IgG1, kappa

Recommended Dilution Ratios

Application

Immunohistochemistry (IHC)

Dilution

IHC, 1:200-1:400

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality Monoclonal

Clone Number AB1739

Immunogen A synthetic peptide corresponding to the amino acid region 700 - 829 of the human KSP - Cadherin protein.

Specificity The antibody can specifically recognize human KSP-Cadherin protein, and has no cross reaction with E-cadherin, N-cadherin, P-cadherin.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name CDH16

Protein Name KSP-Cadherin

Database Link	Organism	Swiss Prot.	Gene ID
	Human	O75309	1014

Background KSP-cadherin, also known as cadherin-16, is a new member of the calcium adhesion molecule family and plays an important role during embryonic development. It was specifically expressed in kidney, only in renal tubular epithelium, basement membrane and collecting duct epithelium, but not in glomerulus, renal interstitial cells and blood vessels. The loss of these adhesion molecules in renal cell tumors may be related to tumor dedifferentiation and lymph node metastasis. KSP-cadherin has a sensitivity of up to 100% in renal chromophobe cell carcinoma and 95% in renal eosinophilic adenoma.