10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

K Cadherin (CDH6) Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1415a

Product Information

Application	WB, E
Primary Accession	P55285
Other Accession	P55280, P97326, Q3SWX5
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Mouse, Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	88309
Antigen Region	61-89

Additional Information

Gene ID	1004
Other Names	Cadherin-6, Kidney cadherin, K-cadherin, CDH6
Target/Specificity	This K Cadherin (CDH6) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 61-89 amino acids from the N-terminal region of human K Cadherin (CDH6).
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	K Cadherin (CDH6) Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CDH6
Function	Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types.

Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Highly expressed in brain, cerebellum, and kidney. Lung, pancreas, and gastric mucosa show a weak expression. Also expressed in certain liver and kidney carcinomas

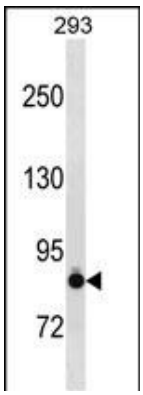
Background

CDH6 is a type II classical cadherin from the cadherin superfamily. It is a calcium dependent cell-cell adhesion membrane glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Cadherins mediate cell-cell binding in a homophilic manner, contributing to the sorting of heterogeneous cell types and the maintenance of orderly structures such as epithelium. Strong transcriptional expression of the CDH6 gene has been observed in hepatocellular and renal carcinoma cell lines, suggesting a possible role in metastasis and invasion.

References

Liu,T., J. Proteome Res. 4 (6), 2070-2080 (2005) Shimoyama,Y., Biochem. J. 349 (PT 1), 159-167 (2000) Shimoyama,Y., J. Biol. Chem. 274 (17), 11987-11994 (1999)

Images



CDH6 Antibody (N-term) (Cat.#AP1415a) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the CDH6 antibody detected the CDH6 protein (arrow).

Citations

- Generation of induced pluripotent stem cells from human renal proximal tubular cells with only two transcription factors, OCT4 and SOX2.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.