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K Cadherin (CDH6) Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1415b

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	P55285
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB14082
Calculated MW	88309
Antigen Region	665-695

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 665-695 amino acids from the C-terminal region of human K Cadherin (CDH6).
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 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 (C-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

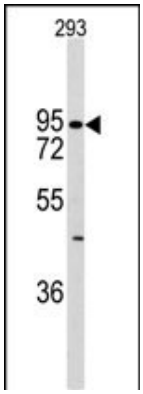
Background

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.

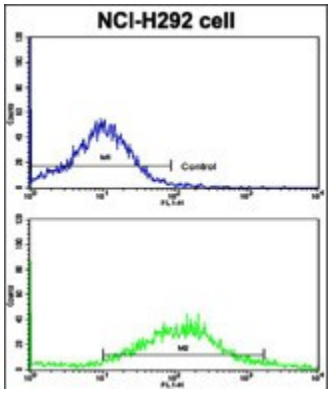
References

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



Western blot analysis of anti-DH6 Antibody (C-term) (RB14082) in 293 cell line lysates (35ug/lane). DH6(arrow) was detected using the purified Pab.



Flow cytometric analysis of NCI-H292 cells using CDH6 Antibody (C-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.