

Product datasheet for **BM5097**

K Cadherin (CDH6) Mouse Monoclonal Antibody [Clone ID: 2B6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2B6
Applications:	IHC
Recommended Dilution:	Immunohistochemistry on frozen sections: paraformaldehyde fixed; with 0.2% Triton X-100 in PBS; Ready to use; 1 h at room temperature / overnight at 2-8°C.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	GST fusion protein of part of the extracellular domain of cadherin 6 (K-Cadherin).
Specificity:	This antibody reacts to Cadherin 6.
Formulation:	State: Supernatant State: Liquid Culture supernatant contains 0.1% sodium azide
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	cadherin 6
Database Link:	Entrez Gene 1004 Human P55285



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Background:

The cadherin gene family encodes calcium-dependent adhesion molecules that promote homophilic interactions among cells. All cadherins are single-pass transmembrane proteins with a variable number of extracellular domains (EC; 110 amino acids long). Classical cadherins consist of five EC domains and a conserved cytoplasmic domain and are divided in type I and type II subgroups. Type I comprises cadherin E, N, P, and R. Type II include cadherin-5, -6, -8, -11, and -12. During embryogenesis differential expression of cadherins can drive morphogenesis by stimulating cell aggregation, defining boundaries between groups of cells and promoting cell migration. Cadherin-6 seems to be required for the early aggregation of induced mesenchymal cells and their subsequent conversion to epithelium.

Synonyms:

CDH6, Kidney cadherin, Cadherin K, K-Cadherin