

Datasheet for ABIN6283648
anti-Cadherin 5 antibody (Internal Region)



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Overview

Quantity:	50 µL
Target:	Cadherin 5 (CDH5)
Binding Specificity:	AA 391-440, Internal Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cadherin 5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	VE-Cadherin is a protein encoded by the CDH5 gene which is approximately 87,5 kDa. VE-Cadherin is localised to the cell junction and cell membrane. It is involved in cell junction organization, blood-brain barrier and immune cell transmigration, ERK signalling and RET signalling. It is a calcium-dependent cell-cell adhesion molecule that is comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. It functions by allowing cells the ability to adhere in a homophilic manner and plays a role in endothelial adherent junction assembly and maintenance. VE-Cadherin is expressed in the heart, nervous system, bone marrow, muscle and lung. Mutations in the CDH5 gene may result in periapical granuloma. STJ97306 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This polyclonal antibody detects endogenous levels of VE-Cadherin protein.
Immunogen:	Synthesized peptide derived from human VE-Cadherin.

Product Details

Isotype:	IgG
Specificity:	VE-Cadherin Polyclonal Antibody detects endogenous levels of VE-Cadherin protein.
Characteristics:	Rabbit polyclonal to VE-Cadherin.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	Cadherin 5 (CDH5)
Alternative Name:	VE-Cadherin (CDH5 Products)
Gene ID:	1003
UniProt:	P33151
Pathways:	Cell-Cell Junction Organization, Signaling Events mediated by VEGFR1 and VEGFR2

Application Details

Application Notes:	WB 1:500-1:2000 ELISA 1:10000
Comment:	Endothelial tissues and brain.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid in PBS containing 50 % glycerol, 0.5 % BSA and 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C, and avoid repeat freeze-thaw cycles.