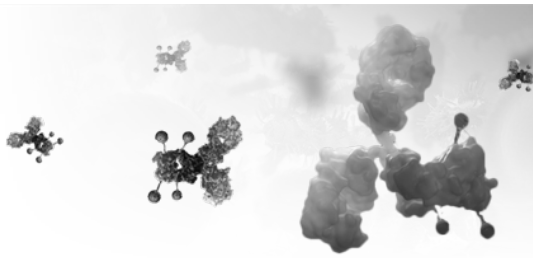

Mouse anti-Human CDH4 monoclonal antibody, clone 3F3 (CABT-B9926)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	CDH4 (NP_001785, 635 a.a. ~ 735 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	3F3
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	AADADVDPNIGPYVFELPFVPAAVRKNWTITRLNGDYAQLSLRILYLEAGMYDVPIIVTD SGNPPLSNTSIIKVKVCPCDDNGDCTTIGAVAAAGLGTGA*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	This gene is a classical cadherin from the cadherin superfamily. The encoded protein is a calcium-dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin

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	repeats, a transmembrane region and a highly conserved cytoplasmic tail. Based on studies in chicken and mouse, this cadherin is thought to play an important role during brain segmentation and neuronal outgrowth. In addition, a role in kidney and muscle development is indicated. Of particular interest are studies showing stable cis-heterodimers of cadherins 2 and 4 in cotransfected cell lines. Previously thought to interact in an exclusively homophilic manner, this is the first evidence of cadherin heterodimerization. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2011]
Keywords	CDH4; cadherin 4, type 1, R-cadherin (retinal); CAD4; RCAD; R-CAD; cadherin-4; R-cadherin; retinal cadherin; cadherin 4, type 1, preproprotein;

GENE INFORMATION

Entrez Gene ID	1002
UniProt ID	P55283
Pathway	Adherens junctions interactions, organism-specific biosystem; CDO in myogenesis, organism-specific biosystem; Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Cell junction organization, organism-specific biosystem; Cell-cell junction organization, organism-specific biosystem
Function	calcium ion binding

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