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Product datasheet for TA804736S

R Cadherin (CDH4) Mouse Monoclonal Antibody [Clone ID: OTI3C10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3C10
Applications:	WB
Recommended Dilution:	WB 1:500
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 170-428 of human CDH4 (NP_001785) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	98.3 kDa
Gene Name:	cadherin 4
Database Link:	NP_001785 Entrez Gene 12561 MouseEntrez Gene 114588 RatEntrez Gene 1002 Human P55283

View online »

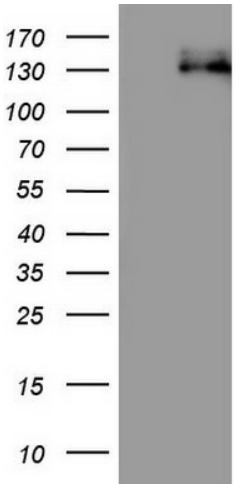
Background: This gene is a classical cadherin from the cadherin superfamily. The encoded protein is a calcium-dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Based on studies in chicken and mouse, 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]

Synonyms: CAD4; R-CAD; RCAD

Protein Families: Transmembrane

Protein Pathways: Cell adhesion molecules (CAMs)

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CDH4 ([RC210970], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CDH4. Positive lysates [LY400684] (100ug) and [LC400684] (20ug) can be purchased separately from OriGene.