

Rat Cadherin-2/N-Cadherin ELISA Kit | CDH2 elisa kit

Rat Cadherin-2/N-Cadherin PicoKine ELISA Kit

CATALOG #
AAA45952

REACTIVITY
Rat

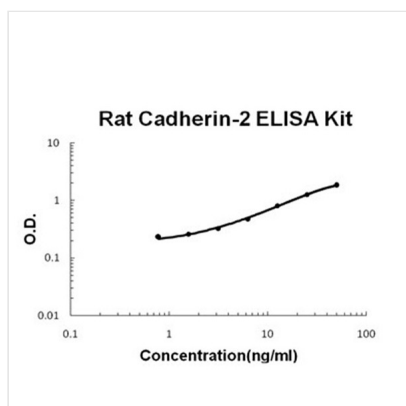
PRODUCT SYNONYMS

Cadherin-2/N-Cadherin; Rat Cadherin-2/N-Cadherin PicoKine ELISA Kit; Cadherin-2; cadherin 2; type 1; N-cadherin (neuronal); CDw325; CDHN; Neural cadherin; N-cadherin; CD325; CDH2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant rat Cadherin-2
Sequence Length	906
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	0.78ng/ml-50ng/ml
Sensitivity	< 20pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Rat Cadherin-2/N-Cadherin PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CDH2 elisa kit	Principle of the assay: rat Cadherin-2 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Cadherin-2 has been precoated onto 96-well plates. Standards(NSO, D160-A724) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Cadherin-2 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the rat Cadherin-2 amount of sample captured in plate. Background: Cadherin-2(CDH2), also known as neural cadherin(NCAD), is a protein that in humans is encoded by the CDH2 gene. It is a classical cadherin from the cadherin superfamily. This gene is mapped to 18q12.1. Cadherin-2 is expressed in the brain, skeletal and cardiac muscle. Cadherin-2 is commonly found in cancer cells and provides a mechanism for transendothelial migration. It is a calcium dependent cell-cell adhesion glycoprotein comprising five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. The protein functions during gastrulation and is required for establishment of left-right asymmetry. At certain central nervous system synapses, presynaptic to postsynaptic adhesion is mediated at least in part by this gene product.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13431334
NCBI GeneID	83501
UniProt Accession #	Q9Z1Y3; Q9R0T5
Molecular Weight	99,686 Da
NCBI Official Full Name	Cadherin-2
NCBI Official Synonym Full Names	cadherin 2
NCBI Official Symbol	Cdh2
NCBI Official Synonym Symbols	N-cadherin
NCBI Protein Information	cadherin-2; neural cadherin; cadherin 2 type 1 N-cadherin (neuronal); cadherin 2, type 1, N-cadherin (neuronal)
UniProt Protein Name	Cadherin-2
UniProt Gene Name	Cdh2
UniProt Synonym Gene Names	N-cadherin
UniProt Entry Name	CADH2_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.