

Human Protocadherin gamma-A2 (PCDHGA2) ELISA Kit | PCDHGA2 elisa kit

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CATALOG #
AAA331461

REACTIVITY
Human

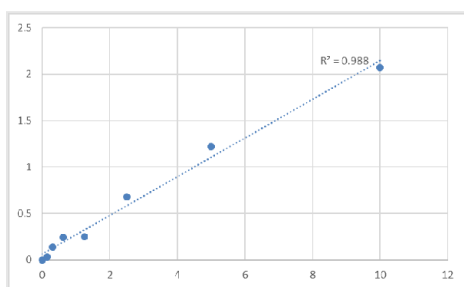
PRODUCT SYNONYMS

Protocadherin gamma-A2 (PCDHGA2); Human Protocadherin gamma-A2 (PCDHGA2) ELISA Kit; PCDHGA2; PCDH-GAMMA-A2; PCDHGA2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Protocadherin gamma-A2 (PCDHGA2) ELISA Kit has high sensitivity and excellent specificity for detection of Human PCDHGA2. No significant cross-reactivity or interference between Human PCDHGA2 and analogues was observed.
Sequence Length	823
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Protocadherin gamma-A2 (PCDHGA2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PCDHGA2 elisa kit	Description: This Human Protocadherin gamma-A2 (PCDHGA2) ELISA Kit employs a two-site sandwich ELISA to quantitate PCDHGA2 in samples. An antibody specific for PCDHGA2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PCDHGA2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PCDHGA2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PCDHGA2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Cadherins are calcium-dependent cell-cell adhesion molecules, and protocadherins constitute a subfamily of nonclassic cadherins. PCDHGA2 is 1 of 22 tandemly arranged genes within the PCDHG gene cluster on chromosome 5q31. The 22 PCDHG genes function as 'variable' exons that are individually spliced to a downstream constant region to form distinct PCDHG transcripts. The variable PCDHG exons encode the extracellular and transmembrane domains of the protocadherin protein, and the common region encodes the intracellular domain. For further information on the PCDHG. By genomic sequence analysis, Wu et al. (2001) mapped the PCDHGA2 gene to 5q31, between the PCDHGA1 gene and the PCDHGA3 gene. They localized the mouse PCDHG genes to chromosome 18c.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	14196462
NCBI GeneID	56113
NCBI Accession #	NP_114398.1
NCBI GenBank Nucleotide #	NP_114398.1
UniProt Accession #	Q9Y5H1
NCBI Official Full Name	protocadherin gamma-A2 isoform 2
NCBI Official Synonym Full Names	protocadherin gamma subfamily A, 2
NCBI Official Symbol	PCDHGA2
NCBI Official Synonym Symbols	PCDH-GAMMA-A2
NCBI Protein Information	protocadherin gamma-A2
UniProt Protein Name	Protocadherin gamma-A2
UniProt Gene Name	PCDHGA2
UniProt Synonym Gene Names	PCDH-gamma-A2
UniProt Entry Name	PCDG2_HUMAN

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.