

Human Contactin Associated Protein 1 ELISA Kit | CNTNAP1 elisa kit

Human Contactin Associated Protein 1 ELISA Kit

CATALOG # AAA16463	REACTIVITY Human
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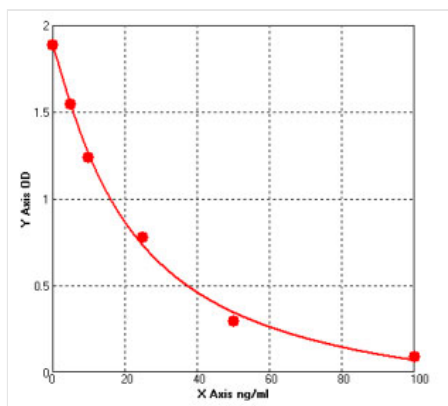
PRODUCT SYNONYMS

Contactin Associated Protein 1; Human Contactin Associated Protein 1 ELISA Kit; CNTNAP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CNTNAP1. No significant cross-reactivity or interference between CNTNAP1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CNTNAP1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CNTNAP1 elisa kit	Principle of the Assay: CNTNAP1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CNTNAP1 antibody and an CNTNAP1-HRP conjugate. The assay sample and buffer are incubated together with CNTNAP1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CNTNAP1 concentration since CNTNAP1 from samples and CNTNAP1-HRP conjugate compete for the anti-CNTNAP1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CNTNAP1 from the sample, fewer sites are left to bind CNTNAP1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CNTNAP1 concentration in each sample is interpolated from this standard curve. Intended Uses: This CNTNAP1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CNTNAP1. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505463
NCBI GeneID	8506
NCBI Accession #	NP_003623.1
NCBI GenBank Nucleotide #	NM_003632.2
Molecular Weight	156,267 Da
NCBI Official Full Name	contactin-associated protein 1
NCBI Official Synonym Full Names	contactin associated protein 1
NCBI Official Symbol	CNTNAP1
NCBI Official Synonym Symbols	P190; CASPR; NRXN4; CNTNAP
NCBI Protein Information	contactin-associated protein 1; caspr1; neurexin 4; neurexin-4; neurexin IV
UniProt Protein Name	Contactin-associated protein 1
UniProt Gene Name	CNTNAP1
UniProt Synonym Gene Names	CASPR; NRXN4; Caspr; Caspr1
UniProt Entry Name	CNTP1_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.