Datasheet for ABIN7538792

CNTNAP2 Protein (MYC tag)

Go to Product page

Overview

Quantity:	100 µg
Target:	CNTNAP2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	cVLP
Purification tag / Conjugate:	This CNTNAP2 protein is labelled with MYC tag.
Application:	Western Blotting (WB), ELISA, Nanoparticle Tracking Analysis (NTA)

Product Details

Purpose:	Chimeric VLP of SARS-CoV-2 (M+E+N) CASPR2
Characteristics:	Chimeric SARS-CoV-2 virus-like particles (cVLP) were produced in HEK cells by co-expression of the membrane-, envelope- and nucleoprotein with a membrane bound target protein. The VLPs do not contain the viral genome, cannot replicate and are not infectious.
Purification:	Polyethylene glycol precipitation
Biological Activity Comment:	active

Target Details

Target:	CNTNAP2
Alternative Name:	CNTNAP2 / CASPR2 (CNTNAP2 Products)
Background:	CASPR2 is a member of the neurexin family which functions in the vertebrate nervous system as cell adhesion molecules and receptors. This protein, like other neurexin proteins, contains

Target Details

	epidermal growth factor repeats and laminin G domains. In addition, it includes an F5/8 type C omain,discoidin/neuropilin- and fibrinogen-like domains, thrombospondin N-terminal-like domains and a putative PDZ binding site. This protein is localized at the juxtaparanodes of myelinated axons, and mediates interactions between neurons and glia during nervous system development and is also involved in localization of potassium channels within differentiating axons. SARS-CoV-2 (Severe acute respiratory syndrome coronavirus type 2) is a coronavirus (genus: Betacoronavirus, subgenus: Sarbecovirus) that was identified as the cause of COVID-19 disease in early 2020.

Application Details

Application Notes:	Applications: Immunogenic antigen, antigen for ELISA and Western blot. Western blot: 1-10 µg, ELISA: 1-5 µg/mL
Comment:	Virus-like Particles are multiprotein complexes that resemble a native virus, but lack the genetic information. Therefore, VLPs are safe to handle in numerous fields of applications. For example, VLPs can be applied as antigen in serological assays (e.g. ELISA), or serve as reference material to standardize the performance of different diagnostic tests (e.g. rapid antigen tests or ELISA). Due to the self-adjuvanting properties of VLPs is the most common application of VLPs the use as antigen for immunizations for vaccine development or antibody discovery campaigns.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	PBS
Storage:	-80 °C
Storage Comment:	- 80°C