

## Anti-CNTNAP4 Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Mouse,Rat,Dog,Pig,Horse,Rabbit)
Molecular Weight:	Theoretical: 143 kDa.
Purification:	Protein A purified

## Applications

Blank control: U937.  
Primary Antibody (green line): Rabbit Anti-CNTNAP4 antibody (TMAB-04504)  
Dilution: 2  $\mu$ g /10<sup>6</sup> cells;  
Isotype Control Antibody (orange line): Rabbit IgG.  
Secondary Antibody: Goat anti-rabbit IgG-PE

## Verified Activity:

Dilution: 1  $\mu$ g /test.

## Protocol

The cells were incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

## Application:

FCM

## Recommended

FCM: 1:100-500

## Properties

## Stability &amp; Storage:

Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

## Shipping:

Shipping with blue ice.

## Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human CNTNAP4
Antigen Species:	Human
Gene ID:	85445

## Research Background

Neurexins comprise a family of neuronal cell surface proteins, which include neurexin I (NRXN1), neurexin II (NRXN2), neurexin III (NRXN3) and CASPR (neurexin IV). CASPR4 (contactin associated protein-like 4), also known as CNTNAP4, is a 1,308 amino acid single-pass type I membrane protein belonging to the neurexin family. Possibly a cell adhesion protein, CASPR4 is expressed in multiple regions of the brain such as olfactory bulb, hippocampus and deep cerebellar nuclei, with highest expression found in spinal cord, substantia nigra and subthalamic nucleus. CASPR4 is expressed at moderate levels in fetal brain, with low expression in adult testis. Encoded by a gene that maps to human chromosome 16q23.1, CASPR4 contains four laminin G-like domains, a F5/8 type C domain, two EGF-like domains and a single fibrinogen C-terminal domain.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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