

For Research Use Only

# CoraLite® Plus 488-conjugated CASPR Polyclonal antibody



Catalog Number: **CL488-55417**

## Basic Information

<b>Catalog Number:</b> CL488-55417	<b>GenBank Accession Number:</b> NM_003632	<b>Purification Method:</b> Antigen Affinity Purified
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 8506	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Source:</b> Rabbit	<b>Full Name:</b> contactin associated protein 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 156 kDa	
	<b>Observed MW:</b> 180-190 kDa	

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
human, mouse, rat

## Background Information

CNTNAP1, also named as CASPR, NRXN4, p190, Neurexin IV and Neurexin-4, belongs to the neurexin family. It plays a role in the formation of functional distinct domains critical for saltatory conduction of nerve impulses in myelinated nerve fibers. CNTNAP1 seems to demarcate the paranodal region of the axo-glial junction. In association with contactin, CNTNAP1 may have a role in the signaling between axons and myelinating glial cells. This antibody is specific to CNTNAP1.

## Storage

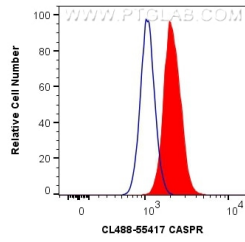
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

**\*\*\* 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



1x10<sup>6</sup> SH-SY5Y cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human CASPR (CL488-55417) (red), or 0.8 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).