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Datasheet for ABIN891142

**anti-CLASP2 antibody (AA 1201-1294) (Alexa Fluor 488)**

## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | CLASP2   |
| Binding Specificity: | AA 1201-1294   |
| Reactivity:          | Human  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This CLASP2 antibody is conjugated to Alexa Fluor 488  |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |  |
|-----------------------|--|
| Immunogen:            | KLH conjugated synthetic peptide derived from human CLASP2 |
| Isotype:              | IgG  |
| Predicted Reactivity: | Human, Mouse, Rat, Dog, Pig, Horse                         |
| Purification:         | Purified by Protein A.                                     |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | CLASP2  |
| Alternative Name: | CLASP2 ( <a href="#">CLASP2 Products</a> )  |
| Background:       | Synonyms: CLASP 2, CLIP associating protein 2, Cytoplasmic linker associated protein 2, |

## Target Details

hOrbit2, KIAA0627, Multiple asters Mast like homolog 2, Protein Orbit homolog 2, CLASP2\_HUMAN.

Background: CLASP2 is a microtubule plus end tracking protein that promotes the stabilization of dynamic microtubules and is required for the polarization of the cytoplasmic microtubule arrays in migrating cells towards the leading edge of the cell. CLASP2 may act at the cell cortex to enhance the frequency of rescue of depolymerizing microtubules by attaching their plus ends to cortical platforms composed of ERC1 and PHLDB2. This cortical microtubule stabilizing activity is regulated at least in part by phosphatidylinositol 3 kinase signaling. CLASP2 also performs a similar stabilizing function at the kinetochore which is essential for the bipolar alignment of chromosomes on the mitotic spindle.

Gene ID: 23122

Pathways: [Microtubule Dynamics](#), [Maintenance of Protein Location](#)

## Application Details

Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months