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Datasheet for ABIN7147937

**anti-CLASP2 antibody (AA 226-381) (Biotin)**

## Overview

Quantity:	100 µg
Target:	CLASP2
Binding Specificity:	AA 226-381
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CLASP2 antibody is conjugated to Biotin
Application:	ELISA

## Product Details

Immunogen:	Recombinant Human CLIP-associating protein 2 protein (226-381AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	CLASP2
Alternative Name:	CLASP2 ( <a href="#">CLASP2 Products</a> )
Background:	Background: Microtubule plus-end tracking protein that promotes the stabilization of dynamic microtubules (PubMed:26003921). Involved in the nucleation of noncentrosomal microtubules

## Target Details

originating from the trans-Golgi network (TGN). Required for the polarization of the cytoplasmic microtubule arrays in migrating cells towards the leading edge of the cell. 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 (PubMed:16824950). This cortical microtubule stabilizing activity is regulated at least in part by phosphatidylinositol 3-kinase signaling. Also performs a similar stabilizing function at the kinetochore which is essential for the bipolar alignment of chromosomes on the mitotic spindle (PubMed:16866869, PubMed:16914514). Acts as a mediator of ERBB2-dependent stabilization of microtubules at the cell cortex.

Aliases: CLAP2\_HUMAN antibody, CLASP 2 antibody, Clasp2 antibody, CLIP associating protein 2 antibody, CLIP-associating protein 2 antibody, Cytoplasmic linker associated protein 2 antibody, Cytoplasmic linker-associated protein 2 antibody, hOrbit2 antibody, KIAA0627 antibody, Multiple asters (Mast) like homolog 2 antibody, Protein Orbit homolog 2 antibody

UniProt: [O75122](#)

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

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

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, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.