

## ARG44641 anti-CLASP1 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rat Monoclonal antibody recognizes CLASP1
Tested Reactivity	Hu, Ms
Tested Application	IP, WB
Host	Rat
Clonality	Monoclonal
Isotype	IgG2a
Target Name	CLASP1
Species	Mouse
Conjugation	Un-conjugated
Alternate Names	CLASP1; Cytoplasmic Linker Associated Protein 1; MAST1; CLIP-Associating Protein 1; KIAA0622; Multiple Asters Homolog 1; Protein Orbit Homolog 1; Multiple Asters 1; Cytoplasmic Linker-Associated Protein 1; HOrbit1

### Application Instructions

Application table	Application	Dilution
	IP	10 µg/mL
	WB	1 µg/mL
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Protein A purification
Buffer	PBS with 0.09% sodium azide
Preservative	0.09% sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol	CLASP1
Gene Full Name	Cytoplasmic Linker Associated Protein 1
Background	CLASPs, such as CLASP1, are nonmotor microtubule-associated proteins that interact with CLIPs (e.g., CLIP170; MIM 179838). CLASP1 is involved in the regulation of microtubule dynamics at the kinetochore and throughout the spindle (Maiato et al., 2003 [PubMed 12837247]).[supplied by OMIM, Mar 2008]
Function	Microtubule plus-end tracking protein that promotes the stabilization of dynamic microtubules. Involved in the nucleation of noncentrosomal microtubules 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. 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. [UniProt]
Calculated Mw	169 kDa
PTM	Phosphoprotein. [UniProt]
Cellular Localization	Centromere, Chromosome, Cytoplasm, Cytoskeleton, Golgi apparatus, Kinetochore, Microtubule. [UniProt]

Images

ARG44641 anti-CLASP1 antibody WB image

Western blot: K562 stained with ARG44641 anti-CLASP1 antibody at 1 µg/mL dilution.



ARG44641 anti-CLASP1 antibody IP image

Immunoprecipitation: K562 lysate immunoprecipitated with 2.5 µg of ARG44641 anti-CLASP1 antibody.

