

## CLASP1 Antibody

Catalog No: #34600

Package Size: #34600-1 50ul #34600-2 100ul

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## Description

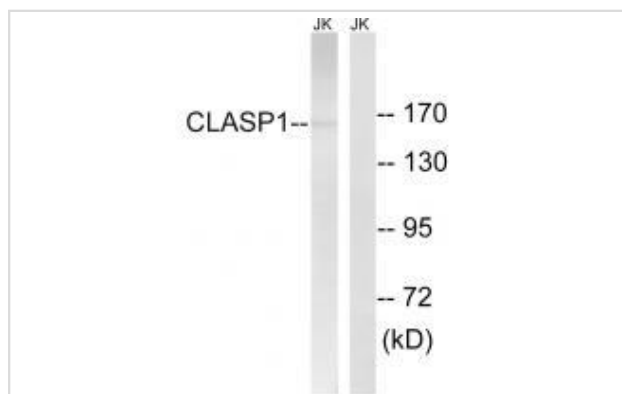
Product Name	CLASP1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total CLASP1 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human CLASP1.
Target Name	CLASP1
Other Names	CLAP1; MAST1; Multiple asters 1;
Accession No.	Swiss-Prot: Q7Z460NCBI Gene ID: 23332
Uniprot	Q7Z460
GeneID	23332;
SDS-PAGE MW	169kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

## Application Details

Western blotting: 1:500~1:3000

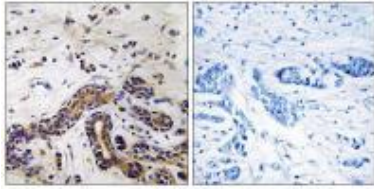
Immunohistochemistry: 1:50~1:100

## Images



Western blot analysis of extracts from Jurkat cells, using CLASP1 antibody #34600.

Immunohistochemistry analysis of paraffin-embedded human testis tissue, using CLASP1 antibody #34600.



## Background

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.

Maiato H., Submitted (FEB-2001) to the EMBL/GenBank/DDBJ databases.

Hillier L.W., Nature 434:724-731(2005).

Akhmanova A., Cell 104:923-935(2001).

**Note:** This product is for in vitro research use only