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anti-CLASP2 antibody (AA 998-1026)





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Overview		
Quantity:	400 μL	
Target:	CLASP2	
Binding Specificity:	AA 998-1026	
Reactivity:	Human, Mouse	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This CLASP2 antibody is un-conjugated	
Application:	Western Blotting (WB), Flow Cytometry (FACS)	
Product Details		
Immunogen:	This CLASP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic	
	peptide between 998-1026 amino acids from human CLASP2.	
Clone:	RB16644	
Isotype:	Ig Fraction	
Predicted Reactivity:	Rat	
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.	
Target Details		
Target:	CLASP2	

Target Details

Back	ground	
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CLASP2 is microtubule plus-end tracking protein that promotes the stabilization of dynamic microtubules. 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.

Molecular Weight: 141064

Gene ID: 23122

NCBI Accession: NP_001193973, NP_055912

UniProt: 075122

Pathways: Microtubule Dynamics, Maintenance of Protein Location

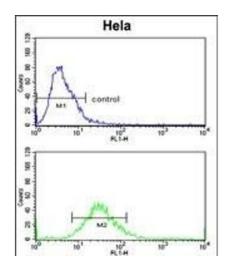
Application Details

Application Notes: WB: 1:1000. WB: 1:1000. FC: 1:10~50

Restrictions: For Research Use only

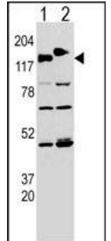
Handling

Format:	Liquid	
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	4 °C,-20 °C	
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.	
Expiry Date:	6 months	



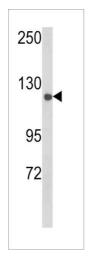
Flow Cytometry

Image 1. CLASP2 Antibody (ABIN652978 and ABIN2842620) flow cytometric analysis of Hela cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. Western blot analysis of CLASP (arrow) using rabbit polyclonal CLASP Antibody (ABIN652978 and ABIN2842620). 293 cell lysates transfected with the ACADL gene (Lane 1) and with the GFP-CLASP (Lane 2).



Western Blotting

Image 3. Western blot analysis of CLASP2 Antibody (ABIN652978 and ABIN2842620) in mouse spleen tissue lysates (35 μ g/lane). CLASP2 (arrow) was detected using the purified Pab.