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C19orf21 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP4851a

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q8IVT2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB25913
Calculated MW	75357
Antigen Region	63-91

Additional Information

Gene ID	126353
Other Names	Mitotic interactor and substrate of PLK1, Mitotic spindle positioning protein, MISP, C19orf21
Target/Specificity	This C19orf21 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 63-91 amino acids from the N-terminal region of human C19orf21.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	C19orf21 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MISP (HGNC:27000)
Function	Plays a role in mitotic spindle orientation and mitotic progression. Regulates the distribution of dynactin at the cell cortex in a PLK1-dependent manner, thus stabilizing cortical and astral microtubule attachments required for

	proper mitotic spindle positioning. May link microtubules to the actin cytospkeleton and focal adhesions. May be required for directed cell migration and centrosome orientation. May also be necessary for proper stacking of the Golgi apparatus.
Cellular Location	Cell junction, focal adhesion. Cytoplasm, cytoskeleton. Cytoplasm, cell cortex. Note=Predominantly localizes to cortical actin structures during interphase and mitosis. Present in retraction fibers, which are formed at former adhesion sites during mitosis, and at spicular membrane protrusions in re-attaching cytokinetic cells. Partially colocalizes with cytoplasmic F-actin. Not detected at microtubules at interphase, nor at spindle during mitosis

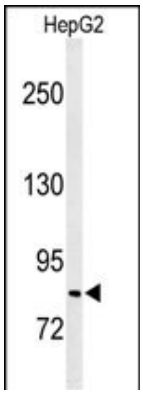
Background

The exact function of C19orf21 remains unknown.

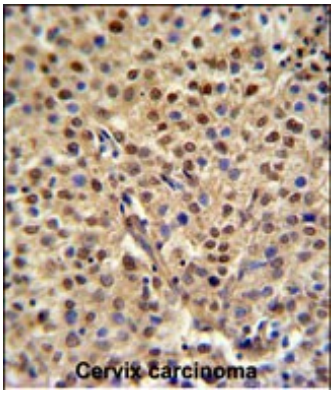
References

Olsen, J.V., et al. Cell 127(3):635-648(2006)
Nousiainen, M., et al. Proc. Natl. Acad. Sci. U.S.A. 103(14):5391-5396(2006)
Kim, J.E., et al. J. Proteome Res. 4(4):1339-1346(2005)

Images

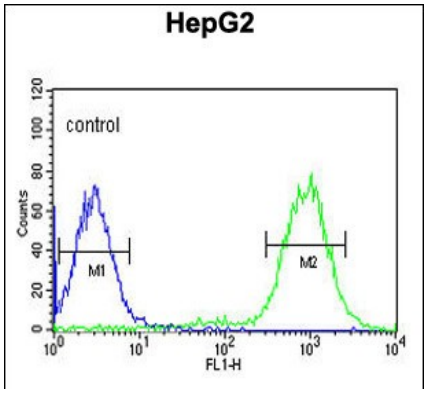


Western blot analysis of C19orf21 Antibody (N-term) (Cat. #AP4851a) in HepG2 cell line lysates (35ug/lane). C19orf21 (arrow) was detected using the purified Pab.



C19orf21 Antibody (N-term) (Cat. #AP4851a) IHC analysis in formalin fixed and paraffin embedded human cervix carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the C19orf21 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

C19orf21 Antibody (N-term) (Cat. #AP4851a) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.