

FA96B Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9370a

Specification

FA96B Antibody (N-term) - Product Information

Application	WB, IHC-P, FC,E
Primary Accession	O9Y3D0
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	17663
Antigen Region	16-45

FA96B Antibody (N-term) - Additional Information

Gene ID 51647

Other Names

Mitotic spindle-associated MMXD complex subunit MIP18, MSS19-interacting protein of 18 kDa, Protein FAM96B, FAM96B, MIP18

Target/Specificity

This FA96B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 16-45 amino acids from the N-terminal region of human FA96B.

Dilution

WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

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

FA96B Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

FA96B Antibody (N-term) - Protein Information

Name CIAO2B ([HGNC:24261](#))

Function Component of the cytosolic iron-sulfur protein assembly (CIA) complex, a multiprotein complex that mediates the incorporation of iron-sulfur cluster into extramitochondrial Fe/S proteins (PubMed:[22678361](#), PubMed:[22678362](#), PubMed:[23891004](#), PubMed:[29848660](#)). As a CIA complex component and in collaboration with CIAO1 and MMS19, binds to and facilitates the assembly of most cytosolic-nuclear Fe/S proteins (PubMed:[23891004](#), PubMed:[29848660](#)). As part of the mitotic spindle-associated MMXD complex it plays a role in chromosome segregation, probably by facilitating iron-sulfur cluster assembly into ERCC2/XPD (PubMed:[20797633](#)). Together with MMS19, facilitates the transfer of Fe-S clusters to the motor protein KIF4A, which ensures proper localization of KIF4A to mitotic machinery components to promote the progression of mitosis (PubMed:[29848660](#)).

Cellular Location

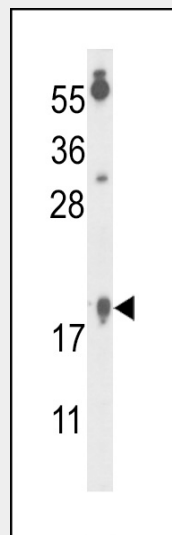
Nucleus. Cytoplasm, cytoskeleton, spindle. Midbody Note=In mitosis, localizes to the spindle during metaphase and the spindle midbody during telophase (PubMed:[29848660](#)). Co-localizes with KIF4A to the spindle midzone and midbody during telophase and cytokinesis (PubMed:[29848660](#)).

FA96B Antibody (N-term) - Protocols

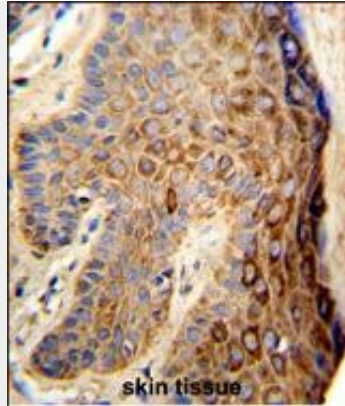
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

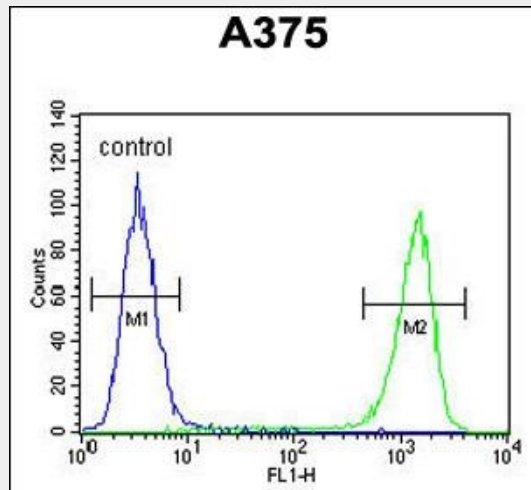
FA96B Antibody (N-term) - Images



Western blot analysis of FA96B Antibody (N-term) (Cat. #AP9370a) in A375 cell line lysates (35ug/lane). FA96B (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human skin reacted with FA96B Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



FA96B Antibody (N-term) (Cat. #AP9370a) flow cytometric analysis of A375 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

FA96B Antibody (N-term) - References

Ewing, R.M. Mol. Syst. Biol. 3, 89 (2007)
 Wistow, G. Mol. Vis. 8, 171-184 (2002)