

CCDC99 Antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15481**Specification**

CCDC99 Antibody - C-terminal region - Product Information

Application	WB
Primary Accession	O96EA4
Other Accession	NM_017785 , NP_060255
Reactivity	Human, Rat, Rabbit, Pig, Horse, Bovine, Dog
Predicted	Human, Rat, Rabbit, Pig, Horse, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	67kDa KDa

CCDC99 Antibody - C-terminal region - Additional Information**Gene ID** 54908**Alias Symbol** **FLJ20364, FLJ40690, CCDC99****Other Names**

Protein Spindly {ECO:0000255|HAMAP-Rule:MF_03041}, hSpindly, Arsenite-related gene 1 protein, Coiled-coil domain-containing protein 99 {ECO:0000255|HAMAP-Rule:MF_03041}, Rhabdomyosarcoma antigen MU-RMS-40.4A, Spindle apparatus coiled-coil domain-containing protein 1 {ECO:0000255|HAMAP-Rule:MF_03041}, SPDL1 {ECO:0000255|HAMAP-Rule:MF_03041}

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-CCDC99 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

CCDC99 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

CCDC99 Antibody - C-terminal region - Protein Information**Name** SPDL1 {ECO:0000255|HAMAP-Rule:MF_03041}**Function**

Required for the localization of dynein and dynactin to the mitotic kintochore. Dynein is believed to control the initial lateral interaction between the kinetochore and spindle microtubules and to facilitate the subsequent formation of end-on kinetochore-microtubule attachments mediated by the NDC80 complex. Also required for correct spindle orientation. Does not appear to be required

for the removal of spindle assembly checkpoint (SAC) proteins from the kinetochore upon bipolar spindle attachment (PubMed:17576797, PubMed:19468067). Acts as an adapter protein linking the dynein motor complex to various cargos and converts dynein from a non-processive to a highly processive motor in the presence of dynactin. Facilitates the interaction between dynein and dynactin and activates dynein processivity (the ability to move along a microtubule for a long distance without falling off the track) (PubMed:25035494). Plays a role in cell migration (PubMed:30258100).

Cellular Location

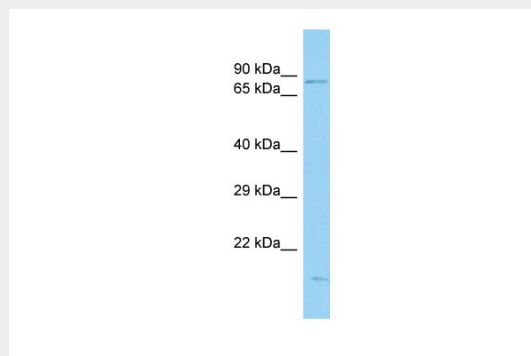
Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Chromosome, centromere, kinetochore. Nucleus Cytoplasm, cytoskeleton, spindle pole. Note=Localizes to the nucleus in interphase and to the kinetochore in early prometaphase. Relocalizes to the mitotic spindle pole before metaphase and is subsequently lost from the spindle poles after chromosome congression is completed. Removal of this protein from the kinetochore requires the dynein/dynactin complex

CCDC99 Antibody - C-terminal region - 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](#)

CCDC99 Antibody - C-terminal region - Images



Host: Rabbit

Target Name: CCDC99

Sample Tissue: HeLa Whole cell lysate

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Antibody Dilution: 1.0µg/ml SPDL1 is supported by BioGPS gene expression data to be expressed in HeLa

CCDC99 Antibody - C-terminal region - References

Gu Y.Q., et al. Submitted (MAY-2000) to the EMBL/GenBank/DDBJ databases.

Behrends U.,et al.Submitted (JAN-2004) to the EMBL/GenBank/DDBJ databases.

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Schmutz J.,et al.Nature 431:268-274(2004).

Griffis E.R.,et al.J. Cell Biol. 177:1005-1015(2007).