

Rabbit anti-Human, Mouse CCDC99 Polyclonal Antibody | anti-CCDC99 antibody

CCDC99 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324629	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

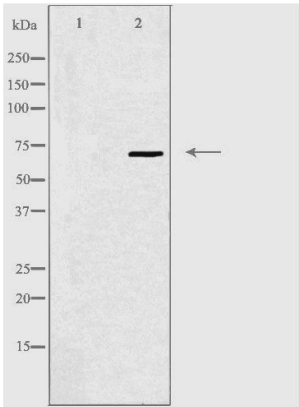
PRODUCT SYNONYMS

CCDC99; Polyclonal Antibody; CCDC99 Antibody; AA409762; Arsenite related gene 1 protein; Arsenite-related gene 1 protein; CCDC 99; Ccdc99; Coiled coil domain containing 99; Coiled-coil domain-containing protein 99; FLJ20364; FLJ40690; hSpindly; MGC124977; Protein Spindly; rhabdomyosarcoma antigen MU RMS 40.4A; Rhabdomyosarcoma antigen MU-RMS-40.4A; Rhabdomyosarcoma antigen protein MU RMS 40.4A; SPDL1; SPDLY_HUMAN; Spindle apparatus coiled coil domain containing protein 1; Spindle apparatus coiled coil protein 1; Spindly; Spindly homolog; anti-CCDC99 antibody

PRODUCT SPECIFICATIONS

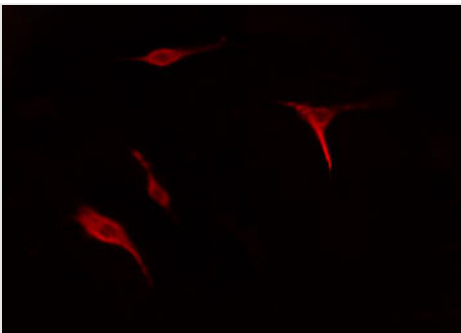
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	CCDC99 antibody detects endogenous levels of total CCDC99
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	605
Applicable Applications for anti-CCDC99 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm > Cytoskeleton > Centrosome. Chromosome > Centromere > Kinetochore. Nucleus. Cytoplasm > Cytoskeleton > Spindle Pole. 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.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from 3T3 cells, using CCDC99 antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA324629 staining NIH-3T3 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CCDC99 antibody

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).

Subunit Structure: Interacts with KNTC1 and ZW10. These interactions appear weak and may be transient or indirect (PubMed:19468067). Interacts with dynein intermediate chain and dynactin (DCTN1) (PubMed:25035494).

Similarity: Belongs to the Spindly family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1045561573
NCBI GeneID	54908
NCBI Accession #	NP_001316570.1
NCBI GenBank Nucleotide #	NM_001329641.1
UniProt Accession #	Q96EA4; Q8TEC8; Q9HD44; Q9NX97; B4E393; C9JS47
Molecular Weight	Observed: 70 kD Predicted: 71 kDa
NCBI Official Full Name	protein Spindly isoform b
NCBI Official Synonym Full Names	spindle apparatus coiled-coil protein 1
NCBI Official Symbol	SPDL1
NCBI Official Synonym Symbols	CCDC99
NCBI Protein Information	protein Spindly
UniProt Protein Name	Protein Spindly
UniProt Gene Name	SPDL1
UniProt Synonym Gene Names	CCDC99UniRule annotationManual assertion according to rulesiHAMAP-Rule:MF_03041; hSpindly

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ccdc99-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324629>