

**Spindly Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP57997****Specification****Spindly Polyclonal Antibody - Product Information**

Application	IHC-P
Primary Accession	<a href="#">Q96EA4</a>
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	70172

**Spindly Polyclonal Antibody - Additional Information****Gene ID** 54908**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**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**Spindly Polyclonal Antibody - 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:<a href="http://www.uniprot.org/citations/17576797" target="\_blank">17576797</a>, PubMed:<a href="http://www.uniprot.org/citations/19468067" target="\_blank">19468067</a>). 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:<a href="http://www.uniprot.org/citations/25035494" target="\_blank">25035494</a>). Plays a role in cell migration (PubMed:<a href="http://www.uniprot.org/citations/25035494" target="\_blank">25035494</a>).

href="http://www.uniprot.org/citations/30258100" target="\_blank">30258100</a>).

#### Cellular Location

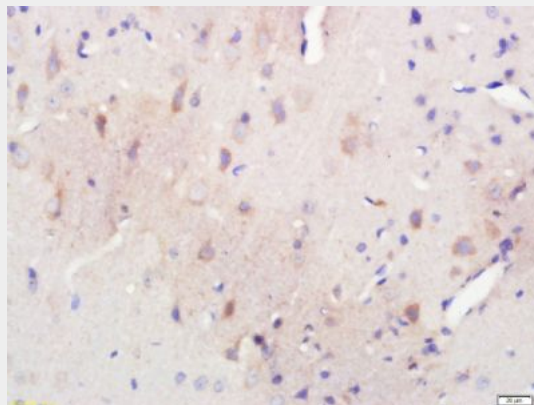
Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Chromosome, centromere, kinetochore. Nucleus Cytoplasm, cytoskeleton, spindle pole. Note=Localizes to the nucleus in interphase and to the kinetochore in early prometaphase. Relocalizes to the mitotic spindle pole before metaphase and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

#### Spindly Polyclonal Antibody - 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](#)

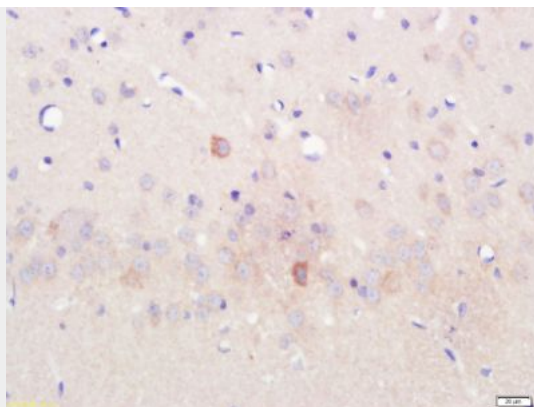
#### Spindly Polyclonal Antibody - Images



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-Spindly Polyclonal Antibody, Unconjugated(bs-2321R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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