

SPC25 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17479C**Specification**

SPC25 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	Q9HBM1
Other Accession	NP_065726.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	26153
Antigen Region	87-114

SPC25 Antibody (Center) - Additional Information**Gene ID** 57405**Other Names**

Kinetochore protein Spc25, hSpc25, SPC25, SPBC25

Target/Specificity

This SPC25 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 87-114 amino acids from the Central region of human SPC25.

Dilution

WB~~1:1000

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

SPC25 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

SPC25 Antibody (Center) - Protein Information**Name** SPC25**Synonyms** SPBC25

Function Acts as a component of the essential kinetochore-associated NDC80 complex, which is required for chromosome segregation and spindle checkpoint activity (PubMed:[14699129](#), PubMed:[14738735](#)). Required for kinetochore integrity and the organization of stable microtubule binding sites in the outer plate of the kinetochore (PubMed:[14699129](#), PubMed:[14738735](#)). The NDC80 complex synergistically enhances the affinity of the SKA1 complex for microtubules and may allow the NDC80 complex to track depolymerizing microtubules (PubMed:[23085020](#)).

Cellular Location

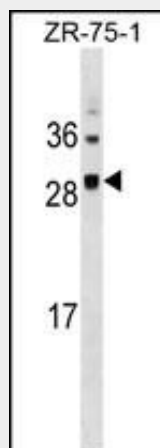
Nucleus. Chromosome, centromere, kinetochore. Note=Localizes to kinetochores from late prophase to anaphase (PubMed:[14738735](#)). Localizes specifically to the outer plate of the kinetochore (PubMed:[14699129](#), PubMed:[14738735](#))

SPC25 Antibody (Center) - 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](#)

SPC25 Antibody (Center) - Images



SPC25 Antibody (Center) (Cat. #AP17479c) western blot analysis in ZR-75-1 cell line lysates (35ug/lane). This demonstrates the SPC25 antibody detected the SPC25 protein (arrow).

SPC25 Antibody (Center) - Background

This gene encodes a protein that may be involved in kinetochore-microtubule interaction and spindle checkpoint activity.

SPC25 Antibody (Center) - References

Pare, G., et al. PLoS Genet. 4 (12), E1000312 (2008) :
Lamesch, P., et al. Genomics 89(3):307-315(2007)

Ciferri, C., et al. J. Biol. Chem. 280(32):29088-29095(2005)

Hillier, L.W., et al. Nature 434(7034):724-731(2005)

Bharadwaj, R., et al. J. Biol. Chem. 279(13):13076-13085(2004)