

SPC25 Rabbit pAb

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Product Information

Application IHC-P, IHC-F, IF

Reactivity Rat, Pig, Rabbit, Dog, Horse

Host Rabbit
Clonality Polyclonal
Calculated MW 26 KDa
Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived from human SPC25

Epitope Specificity 121-224/224

Isotype IgG

Purity affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Nucleus. Chromosome, centromere, kinetochore. Note=Localizes to

kinetochores from late prophase to anaphase. Localizes specifically to the

outer plate of the kinetochore.

SIMILARITY Belongs to the SPC25 family.

SUBUNIT Component of the NDC80 complex, which consists of NDC80/HEC1, CDCA1,

SPBC24 and SPBC25. The NDC80 complex is formed by two subcomplexes composed of NDC80/HEC1-CDCA1 and SPBC24-SPBC25. Each subcomplex is formed by parallel interactions through the coiled-coil domains of individual subunits. Formation of a tetrameric complex is mediated by interactions between the C-terminal regions of both subunits of the NDC80/HEC1-CDCA1

subcomplex and the N-terminal regions of both subunits of the

SPBC24-SPBC25 complex. The tetrameric NDC80 complex has an elongated

rod-like structure with globular domains at either end.

Important Note This product as supplied is intended for research use only, not for use in

human, therapeutic or diagnostic applications.

Background Descriptions Acts as a component of the essential kinetochore-associated NDC80 complex,

which is required for chromosome segregation and spindle checkpoint activity. Required for kinetochore integrity and the organization of stable

microtubule binding sites in the outer plate of the kinetochore.

Additional Information

Other Names Kinetochore protein Spc25, hSpc25, SPC25, SPBC25

Dilution IHC-P=1:100-500,IHC-F=1:100-500

Storage Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

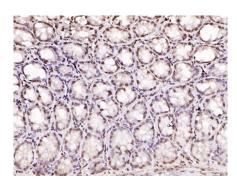
reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

Background

Acts as a component of the essential kinetochore-associated NDC80 complex, which is required for chromosome segregation and spindle checkpoint activity. Required for kinetochore integrity and the organization of stable microtubule binding sites in the outer plate of the kinetochore.

Images



Paraformaldehyde-fixed, paraffin embedded (mouse colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SPC25) Polyclonal Antibody, Unconjugated (AP58727) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.