# SPAG5 Antibody

**PACO43836**

## Product Information

**Size:**

50ul

**Reactivity:**

Human

**Source:**

Rabbit

**Isotype:**

IgG

**Applications:**

ELISA, WB, IHC

**Recommended dilutions:**

ELISA:1:2000-1:10000, WB:1:500-1:2000, IHC:1:20-1:200

**Protein Background:**

Essential component of the mitotic spindle required for normal chromosome segregation and progression into anaphase. Required for chromosome alignment, normal timing of sister chromatid segregation, and maintenance of spindle pole architecture. In complex with SKAP, promotes stable microtubule-kinetochore attachments. May contribute to the regulation of separase activity. May regulate AURKA localization to mitotic spindle, but not to centrosomes and CCNB1 localization to both mitotic spindle and centrosomes. In non-mitotic cells, upon stress induction, inhibits mammalian target of rapamycin complex 1 (mTORC1) association and recruits the mTORC1 component RPTOR to stress granules (SGs), thereby preventing mTORC1 hyperactivation-induced apoptosis. May enhance GSK3B-mediated phosphorylation of other substrates, such as MAPT/TAU.

**Gene ID:**

SPAG5

**Uniprot**

Q96R06

**Synonyms:**

Sperm-associated antigen 5 (Astrin) (Deepest) (Mitotic spindle-associated protein p126) (MAP126), SPAG5

**Immunogen:**

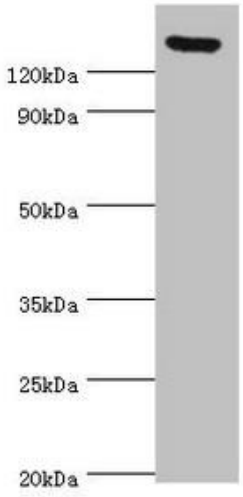
Recombinant Human Sperm-associated antigen 5 protein (1-300AA).

**Storage:**

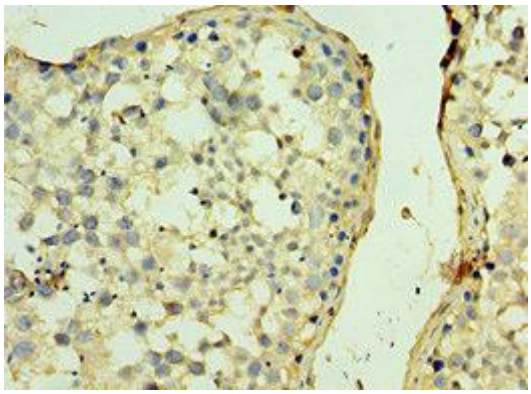
PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images




Western blot.
All lanes: SPAG5 antibody at 2µg/ml. Secondary. Goat polyclonal to rabbit IgG at 1/10000 dilution. Predicted band size: 134 kDa. Observed band size: 134 kDa.



Immunohistochemistry of paraffin-embedded human testis tissue using PACO43836 at dilution of 1:100.