

## Rabbit anti-Human SPAG5 Polyclonal Antibody | anti-SPAG5 antibody

Rabbit anti-human SPAG5 polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                              |
|-----------|--------|------------|-------------------------------------------|
| AAA119642 | Rabbit | Human      | Immunohistochemistry, Western Blot, ELISA |

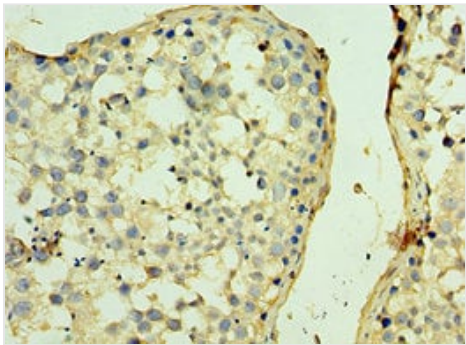
### PRODUCT SYNONYMS

SPAG5; Polyclonal Antibody; Rabbit anti-human SPAG5 polyclonal Antibody; Astrin; Deepest; Mitotic spindle-associated protein p126; MAP126; anti-SPAG5 antibody

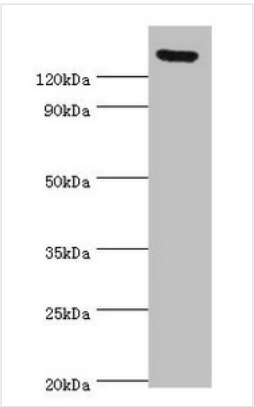
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                          |
|-------------------------------------------------|------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                   |
| Reactivity                                      | Human                                                                                    |
| Clonality                                       | Polyclonal                                                                               |
| Isotype                                         | IgG                                                                                      |
| Purity/Purification                             | Antigen Affinity Purified                                                                |
| Form/Format                                     | Liquid                                                                                   |
| Sequence Length                                 | 1193                                                                                     |
| Applicable Applications for anti-SPAG5 antibody | IHC (Immunohistochemistry), WB (Western Blot), ELISA                                     |
| Storage Buffer                                  | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                        |
| Conjugate                                       | Non-conjugated                                                                           |
| Immunogen                                       | Recombinant human Sperm-associated antigen 5 protein (1-300aa)                           |
| Santa Cruz Alternative                          | Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-79093 / sc-98605 |
| Species                                         | Homo Sapiens (Human)                                                                     |
| Research Area                                   | Cell Biology                                                                             |
| Preparation and Storage                         | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.                            |

IMAGES



**IHC (Immunohistochemistry)**  
Immunohistochemistry of paraffin-embedded human testis using AAA119642 at dilution 1:100



**WB (Western Blot)**  
All lanes: SPAG5 antibody at 2ug/mlSecondaryGoat polyclonal to rabbit at 1/10000 dilutionPredicted band size: 134kDaObserved band size: 134kDa

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-SPAG5 antibody | 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. |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                        |
|----------------------------------|----------------------------------------|
| NCBI GI #                        | 73623035                               |
| NCBI GeneID                      | 10615                                  |
| NCBI Accession #                 | NP_006452.3                            |
| NCBI GenBank Nucleotide #        | NM_006461.3                            |
| UniProt Accession #              | Q96R06; O95213; Q9BWE8; Q9NT17; Q9UFE6 |
| NCBI Official Full Name          | sperm-associated antigen 5             |
| NCBI Official Synonym Full Names | sperm associated antigen 5             |
| NCBI Official Symbol             | SPAG5                                  |
| NCBI Official Synonym Symbols    | MAP126; DEEPEST; hMAP126               |
| NCBI Protein Information         | sperm-associated antigen 5             |
| UniProt Protein Name             | Sperm-associated antigen 5             |
| UniProt Gene Name                | SPAG5                                  |
| UniProt Synonym Gene Names       | MAP126                                 |
| UniProt Entry Name               | SPAG5_HUMAN                            |

**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.