SPAG5 Rabbit pAb

CatalogNo: YN1358

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse

Applications
- WB,ELISA

MW
- 131kD (Observed)

Isotype
- IgG

Recommended Dilution Ratios

WB 1:500-2000
ELISA 1:5000-20000

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol,0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	Synthesized peptide derived from part region of human protein
Specificity	SPAG5 Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name	SPAG5

Protein Name Sperm-associated antigen 5 (Astrin) (Deepest) (Mitotic spindle-associated protein p126) (MAP126)

Organism	Gene ID	UniProt ID
Human	10615;	Q96R06;
Mouse		Q7TME2;

Cellular Localization Cytoplasm . Cytoplasm, cytoskeleton . Cytoplasm, cytoskeleton, spindle . Cytoplasm, cytoskeleton, spindle pole . Chromosome, centromere, kinetochore . Midbody. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasmic granule. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriolar satellite . Colocalizes with PCM1 at centriolar satellites throughout the cell cycle (PubMed:26297806). In a punctate pattern in interphase cells. During mitosis, detected at spindle poles during prophase, throughout the spindle in metaphase and anaphase, and at midzone microtubules in anaphase and telophase (PubMed:27462074). Efficient targeting to the mitotic spindle may depend upon phosphorylation by GSK3B. Detected on kinetochores of chromosomes that have congressed. The astrin (SPAG5)-kinastrin (SKAP) complex localizes to the microtubule plus ends (By similarity). In non-mitotic non-stressed cells, shows a microtubuli pattern. In arsenite-stressed cells, accumulates in stress granules. .

Tissue specificity Highly expressed in testis. Detected at low levels in placenta, liver, pancreas, thymus and colon.

Function Function:Necessary for normal spindle formation during mitosis.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,subcellular location:In a punctate pattern in interphase cells. During mitosis, detected at spindle poles during prophase, throughout the spindle in metaphase and anaphase, and at midzone microtubules in anaphase and telophase. Detected on kinetochores of chromosomes that have congressed.,subunit:Homodimer, with a globular head domain and a long stalk. Homo-oligomer; the globular head domains associate, resulting in aster-like structures. Binds to microtubules in the mitotic spindle.,tissue specificity:Highly expressed in testis. Detected at low levels in placenta, liver, pancreas, thymus and colon.,

Validation Data

Contact information

Orders: order@immunoway.com
Support: tech@immunoway.com
Telephone: 877-594-3616 (Toll Free), 408-747-0185
Website: http://www.immunoway.com
Address: 2200 Ringwood Ave San Jose, CA 95131 USA

Please scan the QR code to access additional product information:
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