



SPAG5 Monoclonal Antibody

Catalog No	YP-mAb-06228
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	SPAG5
Protein Name	Sperm-associated antigen 5 (Astrin) (Deepest) (Mitotic spindle-associated protein p126) (MAP126)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	SPAG5 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	131kD
Cell Pathway	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 congress
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.,

Background

This gene encodes a protein associated with the mitotic spindle apparatus. The encoded protein may be involved in the functional and dynamic regulation of mitotic spindles. [provided by RefSeq, Jul 2008],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images