

Datasheet for ABIN672261
anti-SPAG5 antibody (AA 1101-1193)

2 Images

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Overview

Quantity:	100 µL
Target:	SPAG5
Binding Specificity:	AA 1101-1193
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SPAG5 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SPAG5/MAP126
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human, Mouse, Dog, Cow, Pig, Horse
Purification:	Purified by Protein A.

Target Details

Target:	SPAG5
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Target Details

Alternative Name:	SPAG5 (SPAG5 Products)
Background:	<p>Synonyms: MAP126, DEEPEST, hMAP126, Sperm-associated antigen 5, Astrin, Mitotic spindle-associated protein p126, SPAG5</p> <p>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.</p>
Gene ID:	10615
UniProt:	Q96R06
Pathways:	M Phase

Application Details

Application Notes:	ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

Handling

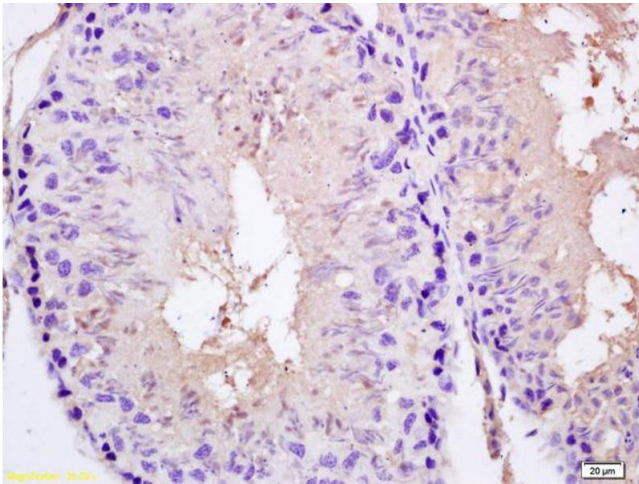
handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

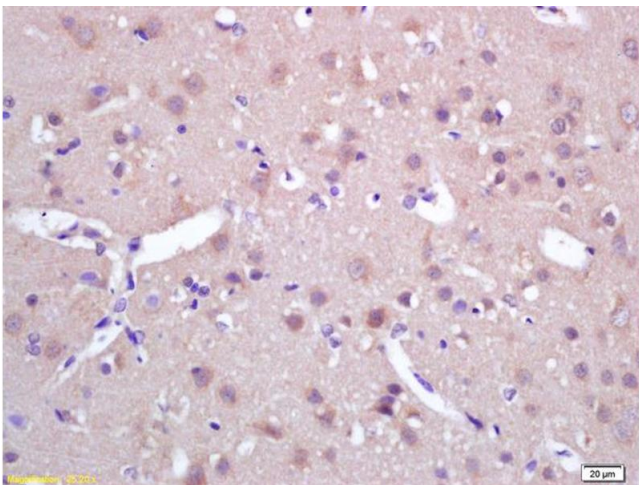
Expiry Date: 12 months

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat testis labeled with Rabbit Anti SPAG5/MAP126/Astrin Polyclonal Antibody, Unconjugated (ABIN672261) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded rat brain labeled with Rabbit Anti SPAG5/MAP126/Astrin Polyclonal Antibody, Unconjugated (ABIN672261) at 1:200 followed by conjugation to the secondary antibody and DAB staining