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SPATA5 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI13462

Product Information

Application	WB
Primary Accession	Q8NB90
Other Accession	NM_145207, NP_660208
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse
Predicted	Mouse, Rat, Rabbit, Pig, Guinea Pig, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	97904

Additional Information

Gene ID	166378
Alias Symbol	AFG2, SPAF
Other Names	Spermatogenesis-associated protein 5, ATPase family protein 2 homolog, Spermatogenesis-associated factor protein, SPATA5, AFG2, SPAF
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-SPATA5 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	SPATA5 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

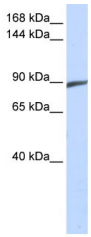
Name	AFG2A (HGNC:18119)
Function	ATP-dependent chaperone part of the 55LCC heterohexameric ATPase complex which is chromatin-associated and promotes replisome proteostasis to maintain replication fork progression and genome stability. Required for replication fork progression, sister chromatid cohesion, and chromosome stability. The ATPase activity is specifically enhanced by replication fork DNA and is coupled to cysteine protease- dependent cleavage of replisome substrates in response to replication fork damage. Uses ATPase activity to process replisome substrates in S- phase, facilitating their proteolytic turnover from chromatin to ensure DNA replication and mitotic fidelity (PubMed:38554706). Plays an essential role in the cytoplasmic maturation

steps of pre-60S ribosomal particles by promoting the release of shuttling protein RSL24D1/RLP24 from the pre-ribosomal particles (PubMed:35354024, PubMed:38554706). May be involved in morphological and functional mitochondrial transformations during spermatogenesis (By similarity).

Cellular Location

Cytoplasm. Mitochondrion {ECO:0000250|UniProtKB:Q3UMC0}. Cytoplasm, cytoskeleton, spindle

Images



WB Suggested Anti-SPATA5 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:62500
Positive Control: 293T cell lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.