

KD-Validated Anti-Septin 7 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI2265

Product Information

Application	WB
Primary Accession	Q16181
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	25GB4470
Calculated MW	50680
Gene Name	SEPTIN7
Aliases	SEPTIN7; Septin 7; Septin-7; SEPT7A; CDC10; SEPT7; CDC3; CDC10 Protein Homolog; CDC10 (Cell Division Cycle 10, S. Cerevisiae, Homolog); CDC10 Cell Division Cycle 10 Homolog (S. Cerevisiae); NBLA02942
Immunogen	Recombinant protein of human Septin 7

Additional Information

Gene ID	989
Other Names	Septin-7, CDC10 protein homolog, SEPTIN7 (HGNC:1717), CDC10, SEPT7

Protein Information

Name	SEPTIN7 (HGNC:1717)
Synonyms	CDC10, SEPT7
Function	Filament-forming cytoskeletal GTPase. Required for normal organization of the actin cytoskeleton. Required for normal progress through mitosis. Involved in cytokinesis. Required for normal association of CENPE with the kinetochore. Plays a role in ciliogenesis and collective cell movements. Forms a filamentous structure with SEPTIN12, SEPTIN6, SEPTIN2 and probably SEPTIN4 at the sperm annulus which is required for the structural integrity and motility of the sperm tail during postmeiotic differentiation (PubMed: 25588830).
Cellular Location	Cytoplasm. Chromosome, centromere, kinetochore Cytoplasm, cytoskeleton, spindle Cleavage furrow. Midbody. Cytoplasm, cytoskeleton, cilium axoneme. Cell projection, cilium, flagellum. Note=Distributed throughout the cytoplasm in prometaphase cells. Associated with the spindle during metaphase. Associated with the central spindle and at the cleavage furrow in anaphase cells. Detected at the midbody in telophase Associated with actin stress fibers (By similarity). Found in the sperm annulus (PubMed:25588830). {ECO:0000250, ECO:0000269 PubMed:25588830}

Tissue Location

Widely expressed..

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