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SEPT6 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18676b

Product Information

Application	WB, E
Primary Accession	Q14141
Other Accession	Q9R1T4, Q3SZN0, NP_055944.2
Reactivity	Human, Mouse
Predicted	Bovine, Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB38620
Calculated MW	49717
Antigen Region	400-426

Additional Information

Gene ID	23157
Other Names	Septin-6, SEPT6, KIAA0128, SEP2
Target/Specificity	This SEPT6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 400-426 amino acids from the C-terminal region of human SEPT6.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	SEPT6 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SEPTIN6 (HGNC:15848)
Synonyms	KIAA0128, SEP2, SEPT6
Function	Filament-forming cytoskeletal GTPase. Required for normal organization of

	the actin cytoskeleton. Involved in cytokinesis. May play a role in HCV RNA replication. 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. Cytoplasm, cytoskeleton, spindle Chromosome, centromere, kinetochore Cleavage furrow. Midbody. Cell projection, cilium, flagellum. Note=In metaphase cells, localized within the microtubule spindle. At the metaphase plate, in close apposition to the kinetochores of the congressed chromosomes. In cells undergoing cytokinesis, localized to the midbody, the ingressing cleavage furrow, and the central spindle. Expressed in the sperm annulus and head (PubMed:25588830).
Tissue Location	Widely expressed..

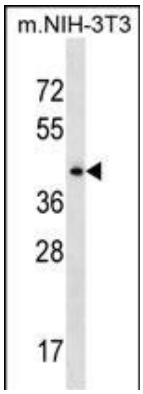
Background

This gene is a member of the septin family of GTPases. Members of this family are required for cytokinesis. One version of pediatric acute myeloid leukemia is the result of a reciprocal translocation between chromosomes 11 and X, with the breakpoint associated with the genes encoding the mixed-lineage leukemia and septin 2 proteins. This gene encodes four transcript variants encoding three distinct isoforms. An additional transcript variant has been identified, but its biological validity has not been determined.

References

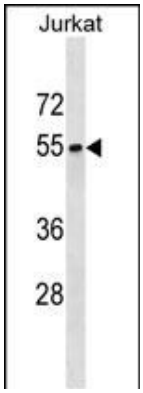
Ding, X., et al. J. Biochem. Mol. Biol. 40(6):973-978(2007)
Sirajuddin, M., et al. Nature 449(7160):311-315(2007)
Kremer, B.E., et al. Cell 130(5):837-850(2007)
Matsuoka, S., et al. Science 316(5828):1160-1166(2007)
Kim, C.S., et al. J. Virol. 81(8):3852-3865(2007)

Images



SEPT6 Antibody (C-term) (Cat. #AP18676b) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane).This demonstrates the SEPT6 antibody detected the SEPT6 protein (arrow).

SEPT6 Antibody (C-term) (Cat. #AP18676b) western blot analysis in Jurkat cell line lysates (35ug/lane).This demonstrates the SEPT6 antibody detected the SEPT6 protein (arrow).



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