

Septin 6 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51851

Product Information

Application	WB
Primary Accession	Q14141
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49717

Additional Information

Gene ID	23157
Other Names	Septin-6, SEPT6, KIAA0128, SEP2
Dilution	WB~~1:1000
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

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. Found in the sperm annulus (PubMed:25588830).
Tissue Location	Widely expressed..

Background

Filament-forming cytoskeletal GTPase. Required for normal organization of the actin cytoskeleton. Involved in cytokinesis. May play a role in HCV RNA replication.

References

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Ross M.T.,et al.Nature 434:325-337(2005).
Gevaert K.,et al.Nat. Biotechnol. 21:566-569(2003).
Nagase T.,et al.DNA Res. 2:167-174(1995).
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