

Septin 7 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51501**Specification**

Septin 7 Antibody - Product Information

Application	WB
Primary Accession	Q16181
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51 KDa
Antigen Region	331 - 390

Septin 7 Antibody - Additional Information**Gene ID** 989**Other Names**

Septin-7, CDC10 protein homolog, SEPT7, CDC10

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Septin 7. The exact sequence is proprietary.

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

Septin 7 Antibody - 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}

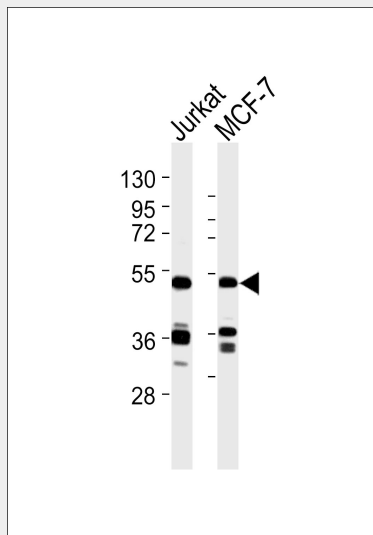
Tissue Location

Widely expressed..

Septin 7 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Septin 7 Antibody - Images

All lanes : Anti-Septin 7 Antibody at 1:1000 dilution Lane 1: Jurkat whole cell lysates Lane 2: MCF-7 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 51 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Septin 7 Antibody - Background

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movements.

Septin 7 Antibody - References

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Nagata K.,et al.J. Biol. Chem. 279:55895-55904(2004).
Hall P.A.,et al.J. Pathol. 206:269-278(2005).
Kremer B.E.,et al.Mol. Biol. Cell 16:4648-4659(2005).
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