

**SEPT7 / Septin 7 Antibody (aa350-399)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS16684****Specification**

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**SEPT7 / Septin 7 Antibody (aa350-399) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | IHC, WB                |
| Primary Accession | <a href="#">Q16181</a> |
| Other Accession   | <a href="#">989</a>    |
| Reactivity        | Human, Mouse, Rat      |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Isotype           | IgG                    |
| Calculated MW     | 50680                  |

**SEPT7 / Septin 7 Antibody (aa350-399) - Additional Information****Gene ID** 989**Other Names**

SEPT7, CDC10, CDC10 protein homolog, Hcdc10, NBLA02942, Sep7, SEPT7A, Septin 7, Septin-7, CDC3

**Target/Specificity**

SEPT7 Antibody detects endogenous levels of total SEPT7 protein.

**Reconstitution & Storage**PBS (without Mg<sup>2+</sup>, Ca<sup>2+</sup>), pH 7.4, 150 mM sodium chloride, 0.02% sodium azide, 50% glycerol.  
Store at -20°C for up to one year.**Precautions**

SEPT7 / Septin 7 Antibody (aa350-399) is for research use only and not for use in diagnostic or therapeutic procedures.

**SEPT7 / Septin 7 Antibody (aa350-399) - 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:<a href="http://www.uniprot.org/citations/25588830" target="\_blank">25588830</a>).

**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..

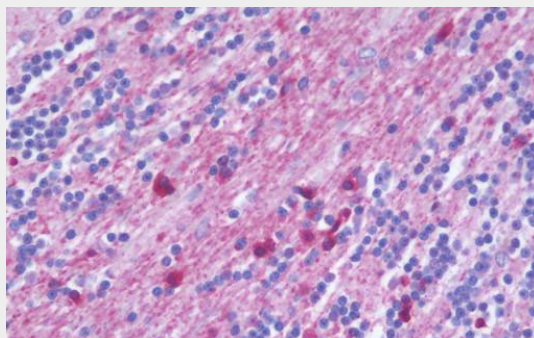
**Volume**

50 µl

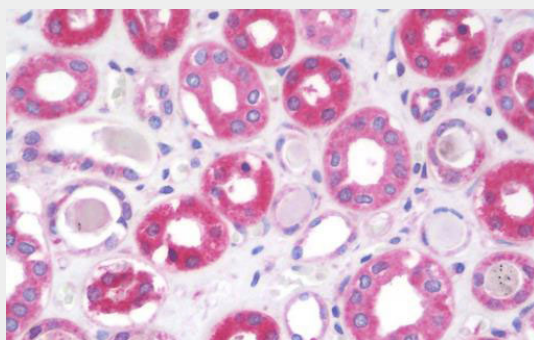
**SEPT7 / Septin 7 Antibody (aa350-399) - Protocols**

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

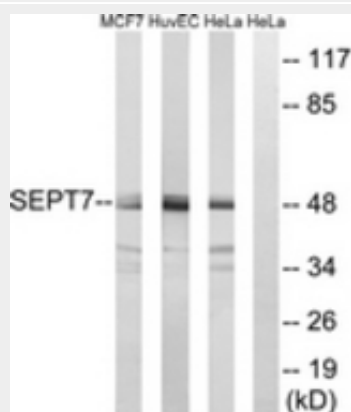
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**SEPT7 / Septin 7 Antibody (aa350-399) - Images**

Anti-SEPT7 / Septin 7 antibody IHC staining of human brain, cerebellum.



Anti-SEPT7 / Septin 7 antibody IHC staining of human kidney.



Western blot of extracts from HeLa/HUVEC/MCF-7 cells, using SEPT7 Antibody.

### **SEPT7 / Septin 7 Antibody (aa350-399) - Background**

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.

### **SEPT7 / Septin 7 Antibody (aa350-399) - References**

Nakatsuru S.,et al.Biochem. Biophys. Res. Commun. 202:82-87(1994).  
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).  
Rush J.,et al.Nat. Biotechnol. 23:94-101(2005).