

Septin 7 Rabbit pAb

CatalogNo: YT4251

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, ELISA

MW

- 48kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-1:2000

IHC: 1:50-300

ELISA 1:20000

IF 1:50-200

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human SEPT7. AA range: 350-399

Specificity Septin 7 Polyclonal Antibody detects endogenous levels of Septin 7 protein.

Target Information

Gene name SEPT7

Protein Name Septin-7

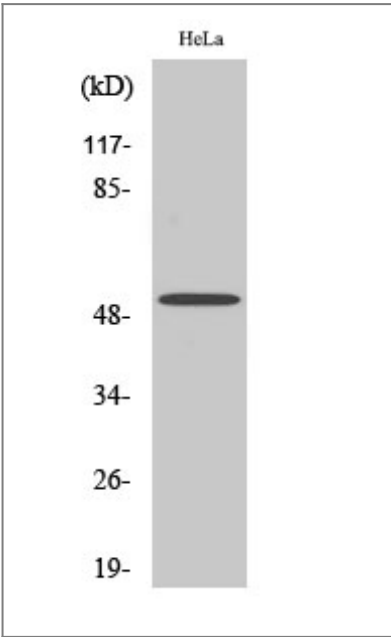
Organism	Gene ID	UniProt ID
Human	989;	Q16181;
Mouse	235072;	O55131;
Rat	64551;	Q9WVC0;

Cellular Localization Cytoplasm . Chromosome, centromere, kinetochore . Cytoplasm, cytoskeleton, spindle . Cleavage furrow . Midbody . Cytoplasm, cytoskeleton, cilium axoneme . Cell projection, cilium, flagellum . 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). .

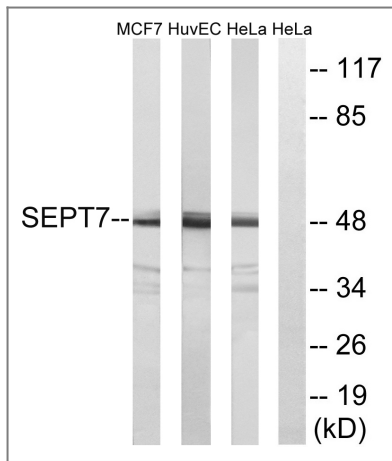
Tissue specificity Widely expressed.

Function Function:Required for normal progress through mitosis. Involved in cytokinesis. Required for normal association of CENPE with the kinetochore.,similarity:Belongs to the septin family.,subcellular location: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.,subunit:Heterohexamer composed of two heterotrimers containing one copy each of SEPT2, SEPT6 and SEPT7. The asymmetrical heterotrimers associate head-to-head to form a hexameric unit that assembles into filaments. Interacts directly with CENPE and links CENPE to septin filaments composed of SEPT2, SEPT6 and SEPT7.,

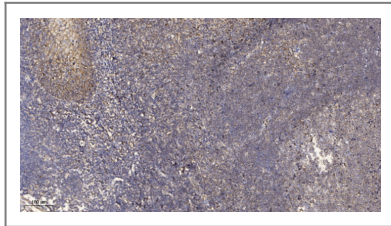
| Validation Data



Western Blot analysis of various cells using Septin 7 Polyclonal Antibody



Western blot analysis of lysates from HeLa, HUVEC, and MCF-7 cells, using SEPT7 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).

Contact information

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Septin 7 Rabbit pAb

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