ELK Biotechnology

Septin 7 rabbit pAb

Cat No.:ES3426

For research use only

Overview

Product Name	Septin 7 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000.IHC-p:1:50-300 ELISA: 1/20000. Not yet tested in other applications.
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.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Septin-7
Gene Name	SEPT7
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). .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml

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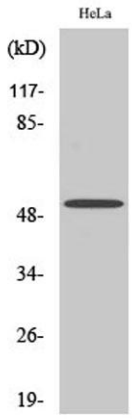
Observed band	48kD
Human Gene ID	989
Human Swiss-Prot Number	Q16181
Alternative Names	SEPT7; CDC10; Septin-7; CDC10 protein homolog
Background	septin 7(SEPT7) Homo sapiens This gene encodes a protein that is highly similar to the CDC10 protein of Saccharomyces cerevisiae. The protein also shares similarity with Diff 6 of Drosophila and with H5 of mouse. Each of these similar proteins, including the yeast CDC10, contains a GTP-binding motif. The yeast CDC10 protein is a structural component of the 10 nm filament which lies inside the cytoplasmic membrane and is essential for cytokinesis. This human protein functions in gliomagenesis and in the suppression of glioma cell growth, and it is required for the association of centromere-associated protein E with the kinetochore. Alternative splicing results in multiple transcript variants. Several related pseudogenes have been identified on chromosomes 5, 7, 9, 10, 11, 14, 17 and 19. [provided by RefSeq, Jul 2011],



Western Blot analysis of various cells using Septin 7 Polyclonal Antibody

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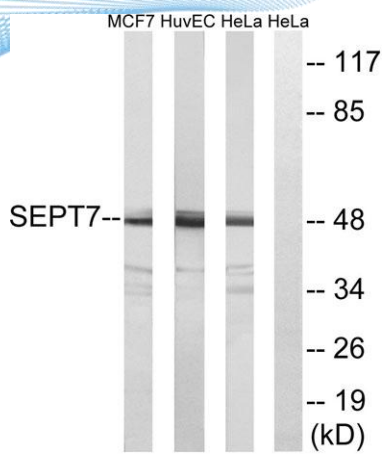
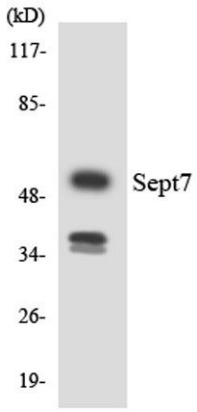
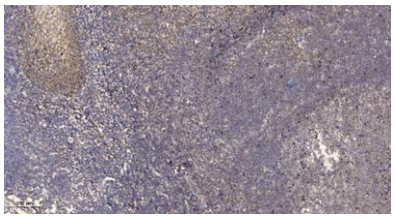


Western blot analysis of lysates from HeLa, HUVEC, and MCF-7 cells, using SEPT7 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HUVECcells using SEPT7 antibody.



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).

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