

## ARG64746 anti-SEPT7 antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes SEPT7
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog, Hrs, Pig
Tested Application	WB
Specificity	This antibody is expected to recognize all three reported isoforms (NP_001779.3; NP_001011553.2; NP_001229885.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	SEPT7
Species	Human
Immunogen	C-DNNKNKGQLTKSP
Conjugation	Un-conjugated
Alternate Names	SEPTIN7; Septin 7; Septin-7; SEPT7A; CDC10; SEPT7; CDC3; CDC10 Protein Homolog; CDC10 (Cell Division Cycle 10, S. Cerevisiae, Homolog); CDC10 Cell Division Cycle 10 Homolog (S. Cerevisiae); NBLA02942

### Application Instructions

Application table	Application	Dilution
	WB	0.3 - 1 µg/ml

**Application Note** WB: Recommend incubate at RT for 1h.  
\* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

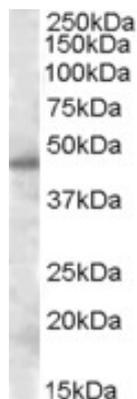
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

**Note** For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Database links	<a href="#">GeneID: 989 Human</a> <a href="#">Swiss-port # Q16181 Human</a>
Gene Symbol	SEPTIN7
Gene Full Name	septin 7
Background	This gene encodes a protein that is highly similar to the CDC10 protein of <i>Saccharomyces cerevisiae</i> . The protein also shares similarity with Diff 6 of <i>Drosophila</i> 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]
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). [Uniprot]
Research Area	Cell Biology and Cellular Response antibody
Calculated Mw	51 kDa
PTM	Acetylation, Phosphoprotein. [Uniprot]
Cellular Localization	Cell projection, Centromere, Chromosome, Cilium, Cytoplasm, Cytoskeleton, Flagellum, Kinetochore. [Uniprot]

## Images



ARG64746 anti-SEPT7 antibody WB image

Western blot: 35 µg of nuclear HeLa lysate (in RIPA buffer) stained with ARG64746 anti-SEPT7 antibody at 0.5 µg/ml dilution and incubated at RT for 1 hour.