



Septin 2 Monoclonal Antibody

Catalog No	YP-mAb-04197
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	2-9
Immunogen	The antiserum was produced against synthesized peptide derived from human SEPT2. AA range:103-152
Specificity	Septin 2 Monoclonal Antibody detects endogenous levels of Septin 2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	DIFF6;hNedd5;KIAA0158;NEDD 5;NEDD5;Septin 2;45171;Septin-2;SEPT2; Neural precursor cell expressed developmentally down-regulated protein 5; NEDD-5
Observed Band	41kD
Calculated Molecular Weight	41kD
Cell Pathway	Cytoplasm . Cytoplasm, cytoskeleton . Cytoplasm, cytoskeleton, spindle . Chromosome, centromere, kinetochore . Cleavage furrow . Midbody . Cytoplasm, cell cortex . Cell projection, cilium membrane . Cell projection, cilium, flagellum . In metaphase cells, localized within the microtubule spindle. At the metaphase plate, in close apposition to the kinetochores of the congressed chromosomes. In cells undergoing cytokinesis, localized to the midbody, the ingressing cleavage furrow, and the central spindle. During bacterial infection, displays a collar shape structure next to actin at the pole of invading bacteria. In epithelial cells, colocalizes with polyglutamylated tubulin around the trans-Golgi network, as well as juxatnuclear and proximal Golgi apparatus. Localizes at the base of the cil
Tissue Specificity	Widely expressed. Up-regulated in liver cancer.

**Function**

function:Required for normal progress through mitosis. Involved in cytokinesis., similarity:Belongs to the septin family.,subcellular location:Accumulates near the contractile ring from anaphase through telophase, and finally condenses into the midbody. In interphase and postmitotic cells, localised to fibrous or granular structures, depending on the growth state of the cell.,subunit:Monomer, and homodimer. Nucleotide binding promotes dimerization. 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.,

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matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

Western Blot analysis of various cells using Septin 2 Monoclonal Antibody