

Rabbit anti-Human, Mouse Septin 2 Polyclonal Antibody | anti-SEPT2 antibody

Rabbit anti-Septin 2 Antibody, Affinity Purified

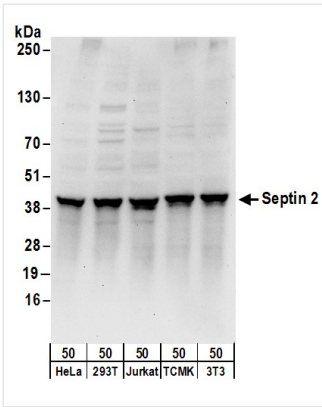
CATALOG # AAA212546	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

Septin 2; Polyclonal Antibody; Rabbit anti-Septin 2 Antibody; Affinity Purified; neural precursor cell expressed; developmentally down-regulated 5; DIFF6; Pnutl3; Neural precursor cell expressed developmentally down-regulated protein 5; NEDD-5; NEDD5; hNedd5; epididymis secretory sperm binding protein; septin-2; Septin-2; septin 2; anti-SEPT2 antibody

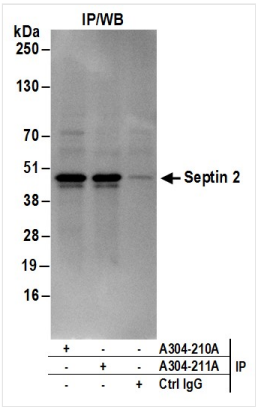
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-SEPT2 antibody	IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Rat, Bovine, Orangutan
Immunogen	Between 311 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



WB (Western Blot)

Detection of human and mouse Septin 2 by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells. Antibodies: Affinity purified rabbit anti-Septin 2 antibody AAA212546 (lot AAA212546-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



IP (Immunoprecipitation)

Detection of human Septin 2 by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg for IP; 20% of IP loaded) from 293T cells. Antibodies: Affinity purified rabbit anti-Septin 2 antibody AAA212546 (lot AAA212546-1) used for IP at 6 ug/mg lysate. Septin 2 was also immunoprecipitated by rabbit anti-Septin 2 antibody For blotting immunoprecipitated Septin 2, AAA212546 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-SEPT2 antibody	Septin 2 is a filament-forming cytoskeletal GTPase. Septin 2 is required for normal organization of the actin cytoskeleton and plays a role in the biogenesis of polarized columnar-shaped epithelium by maintaining polyglutamylated microtubules, thus facilitating efficient vesicle transport, and by impeding MAP4 binding to tubulin. It is required for the progression through mitosis, and it forms a scaffold at the midplane of the mitotic spindle required to maintain CENPE localization at kinetochores and consequently chromosome congression. During anaphase, Septin 2 may be required for chromosome segregation and spindle elongation. Septin 2 also plays a role in ciliogenesis and collective cell movements [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/Q15019].
Product Categories/Family for anti-SEPT2 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758158
NCBI GeneID	4735
NCBI Accession #	NP_004395.1
NCBI GenBank Nucleotide #	NM_004404.4
UniProt Accession #	Q15019; Q14132; Q53QU3; Q8IUK9; Q96CB0; B4DGE8
Molecular Weight	42,685 Da
NCBI Official Full Name	septin-2 isoform a
NCBI Official Synonym Full Names	septin 2
NCBI Official Symbol	SEPT2
NCBI Official Synonym Symbols	DIFF6; NEDD5; NEDD-5; Pnutl3; hNedd5
NCBI Protein Information	septin-2; neural precursor cell expressed, developmentally down-regulated 5; neural precursor cell expressed developmentally down-regulated protein 5
UniProt Protein Name	Septin-2
UniProt Gene Name	SEPT2

UniProt Synonym Gene Names	DIFF6; KIAA0158; NEDD5; NEDD-5
UniProt Entry Name	SEPT2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/septin-2-antibody-immunoprecipitation-western-blot-elisa/212546>