



Rabbit Anti-SEPT1 antibody

SL7769R

Product Name:	SEPT1
Chinese Name:	Cell differentiation蛋白SEP1抗体
Alias:	DIFF6; Differentiation 6 (deoxyguanosine triphosphate triphosphohydrolase); LARP; Peanut like protein 3; PNUTL3; SEP1; Septin 1; Septin1; Serologically defined breast cancer antigen NY BR 24; SEPT1 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	40kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SEPT1:161-260/367
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	SEPT1 is a member of the septin family of GTPases. Members of this family are required for cytokinesis. SEPT1 is associated with the tau-based paired helical filament core, and may contribute to the formation of neurofibrillary tangles in Alzheimer's disease.

Function:

Filament-forming cytoskeletal GTPase (By similarity). May play a role in cytokinesis (Potential).

Subunit:

Septins polymerize into heterooligomeric protein complexes that form filaments, and can associate with cellular membranes, actin filaments and microtubules. GTPase activity is required for filament formation (By similarity). Interacts with AURKB.

Subcellular Location:

Cytoplasm. Cytoplasm, cytoskeleton.

Tissue Specificity:

Expressed at high levels in lymphoid and haematopoietic tissues.

Similarity:

Belongs to the septin family.

SWISS:

Q8WYJ6

Gene ID:

1731

Database links:

[Entrez Gene: 1731](#)Human

[Entrez Gene: 54204](#)Mouse

[Entrez Gene: 293507](#)Rat

[Omim: 612897](#)Human

[SwissProt: Q8WYJ6](#)Human

[SwissProt: P42209](#)Mouse

[SwissProt: Q5EB96](#)Rat

[Unigene: 632176](#)Human

[Unigene: 18](#)Mouse

[Unigene: 68675](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

SEPTIN(SEPT)家族是Cytoskeleton蛋白的一种, 具有GTPase的活性。经研究发现, SEPT参与The nucleus分裂、The cell membrane的运输以及构成Cytoskeleton。