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SEPT11 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16837c

Product Information

Application	WB, E
Primary Accession	Q9NVA2
Other Accession	B3GNI6, Q8C1B7, Q4R555, A2VE99, NP_060713.1
Reactivity	Human
Predicted	Bovine, Monkey, Mouse, Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB36576
Calculated MW	49398
Antigen Region	353-382

Additional Information

Gene ID	55752
Other Names	Septin-11, SEPT11
Target/Specificity	This SEPT11 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 353-382 amino acids from the Central region of human SEPT11.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	SEPT11 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SEPTIN11 (HGNC:25589)
Synonyms	SEPT11
Function	Filament-forming cytoskeletal GTPase. May play a role in cytokinesis

	(Potential). May play a role in the cytoarchitecture of neurons, including dendritic arborization and dendritic spines, and in GABAergic synaptic connectivity (By similarity). During Listeria monocytogenes infection, not required for the bacterial entry process, but restricts its efficacy.
Cellular Location	Cytoplasm, cytoskeleton. Synapse. Cell projection, dendritic spine. Cell projection, axon Note=Partly colocalizes with stress fibers and microtubules. During bacterial infection, displays a collar shape structure next to actin at the pole of invading bacteria
Tissue Location	Widely expressed, except in leukocytes.

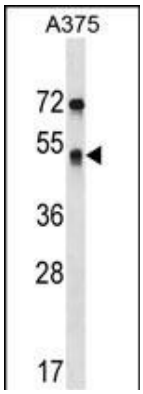
Background

SEPT11 belongs to the conserved septin family of filament-forming cytoskeletal GTPases that are involved in a variety of cellular functions including cytokinesis and vesicle trafficking (Hanai et al., 2004 [PubMed 15196925]; Nagata et al., 2004 [PubMed 15485874]).

References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Huang, G.L., et al. World J. Gastroenterol. 16(16):2046-2054(2010)
Mostowy, S., et al. J. Biol. Chem. 284(17):11613-11621(2009)
Ding, X., et al. Mol. Cells 25(3):385-389(2008)
Xin, X., et al. J. Histochem. Cytochem. 55(11):1089-1094(2007)

Images



SEPT11 Antibody (Center) (Cat. #AP16837c) western blot analysis in A375 cell line lysates (35ug/lane).This demonstrates the SEPT11 antibody detected the SEPT11 protein (arrow).

Citations

- A Septin Cytoskeleton-Targeting Small Molecule, Forchlorfenuron, Inhibits Epithelial Migration via Septin-Independent Perturbation of Cellular Signaling

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.