

For Research Use Only

SEPT4 Recombinant antibody, PBS Only



Catalog Number: 82284-1-PBS

Basic Information

Catalog Number: 82284-1-PBS	GenBank Accession Number: BC018056	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 5414	CloneNo.: 508
Source: Rabbit	UNIPROT ID: O43236	
Isotype: IgG	Full Name: septin 4	
Immunogen Catalog Number: AG3185	Calculated MW: 459 aa, 53 kDa	
	Observed MW: 38-55 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
Human, mouse, rat

Background Information

Spetin 4 is a member of the septin family of nucleotide binding proteins, originally described in yeast as cell division cycle regulatory proteins. Spetin 4 was widely expressed in brain and heart, also expressed in colorectal cancers and malignant melanomas. This protein has been implicated in diverse cellular functions, including cytokinesis, apoptosis, and tumor suppression(PMID:15737931). There are several isoforms of SEPTIN4, four of which were detected in the mouse brain and mouse cerebellum, 54 kDa, 52 kDa, 48 kDa and 44 kDa respectively(PMID: 23938054; PMID: 26657011).

Storage

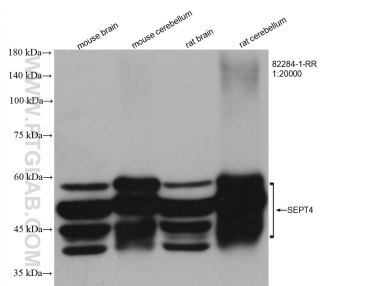
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

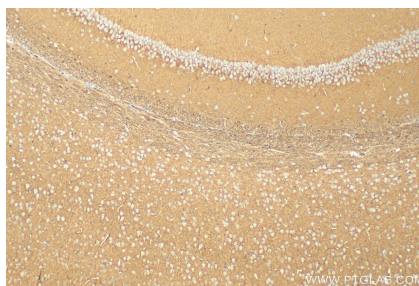
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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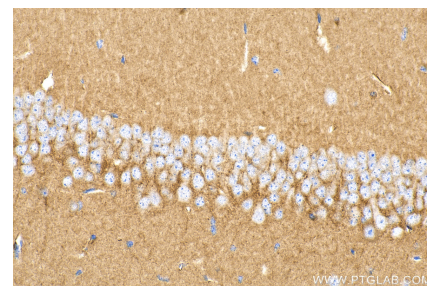
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82284-1-RR (SEPT4 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82284-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 82284-1-RR (SEPT4 antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82284-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 82284-1-RR (SEPT4 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82284-1-PBS in a different storage buffer formulation.