

Datasheet for ABIN1944842
anti-Septin 4 antibody (N-Term)

3 Images

1 Publication

[Go to Product page](#)

Overview

Quantity:	400 µL
Target:	Septin 4 (SEPT4)
Binding Specificity:	AA 1-30, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	This SEPT4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human SEPT4.
Clone:	RB18576
Isotype:	Ig Fraction
Predicted Reactivity:	Pr
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	Septin 4 (SEPT4)
Alternative Name:	SEPT4 (SEPT4 Products)

Target Details

Background:	PNUTL2 is a member of the septin family of nucleotide binding proteins, originally described in yeast as cell division cycle regulatory proteins. Septins are highly conserved in yeast, Drosophila, and mouse and appear to regulate cytoskeletal organization. The protein is thought to be part of a complex involved in cytokinesis.
Molecular Weight:	55098
Gene ID:	5414
NCBI Accession:	NP_001185642 , NP_001243711 , NP_001243751 , NP_004565 , NP_536340 , NP_536341
UniProt:	O43236

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

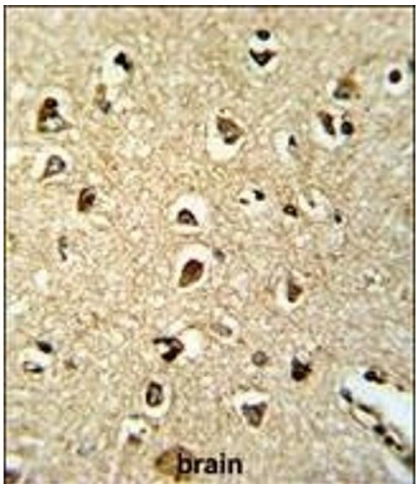
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

Publications

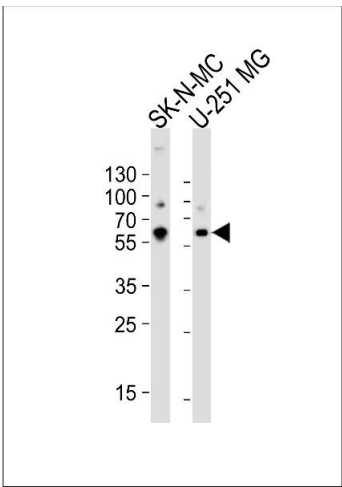
Product cited in:	Dong, Hakimi, Chen, Kumaraswamy, Cooch, Godwin, Shiekhatter: "Regulation of BRCC, a holoenzyme complex containing BRCA1 and BRCA2, by a signalosome-like subunit and its role in DNA repair." in: Molecular cell , Vol. 12, Issue 5, pp. 1087-99, (2003) (PubMed).
	Ching, Li, Li, Chan, Chan, Lim, Pang, Chui: "Expression of human BRE in multiple isoforms." in: Biochemical and biophysical research communications , Vol. 288, Issue 3, pp. 535-45, (2001) (PubMed).

Li, Yoo, Becker, Ali-Osman, Chan: "Identification of a brain- and reproductive-organs-specific gene responsive to DNA damage and retinoic acid." in: **Biochemical and biophysical research communications**, Vol. 206, Issue 2, pp. 764-74, (1995) ([PubMed](#)).



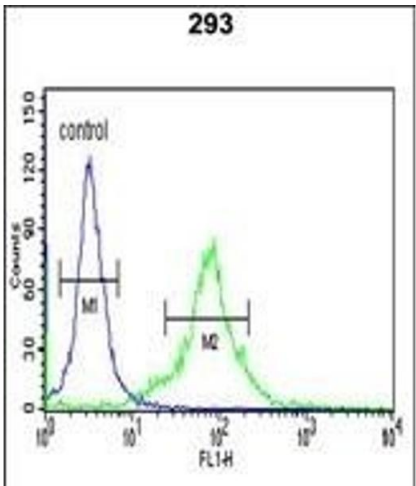
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human brain tissue reacted with PNUTL2 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



Western Blotting

Image 2. Western blot analysis of lysates from SK-N-MC, U-251 MG cell line (from left to right), using PNUTL2 Antibody (N-term) (ABIN1944842 and ABIN2841726). (ABIN1944842 and ABIN2841726) was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35 µg per lane.



Flow Cytometry

Image 3. PNUTL2 Antibody (N-term) (ABIN1944842 and ABIN2841726) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.