

Septin 4 Rabbit pAb

Catalog No.: A10238

Basic Information

Catalog No.

A10238

Observed MW

50kDa

Calculated MW

30kDa/38kDa/53kDa/54kDa/55kDa/56kDa

Category

Primary antibody

Applications

WB, IHC, IF

Cross-Reactivity

Human, Mouse, Rat

Recommended Dilutions

WB 1:200 - 1:2000

IHC 1:50 - 1:200

IF 1:50 - 1:200

Background

This gene 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.

Disruption of septin function disturbs cytokinesis and results in large multinucleate or polyploid cells. This gene is highly expressed in brain and heart. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. One of the isoforms (known as ARTS) is distinct; it is localized to the mitochondria, and has a role in apoptosis and cancer.

Immunogen Information

Gene ID

5414

Swiss Prot

O43236

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-100 of human Septin 4 (NP_536341.1).

Synonyms

SEPT4;ARTS;BRADEION;CE5B3;H5;MART;PNUTL2;SEP4;hCDCREL-2;hucep-7;septin-4

Contact

 | www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

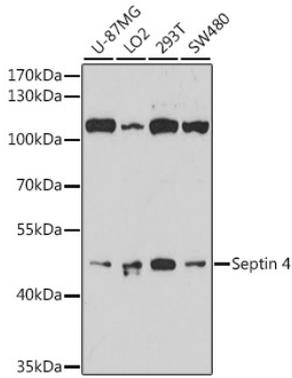
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using Septin 4 antibody (A10238) at 1:1000 dilution.

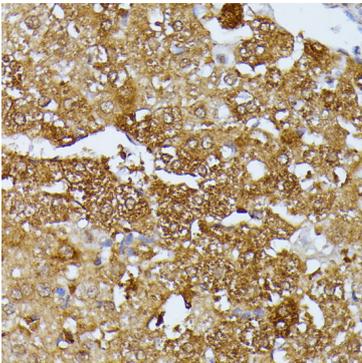
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

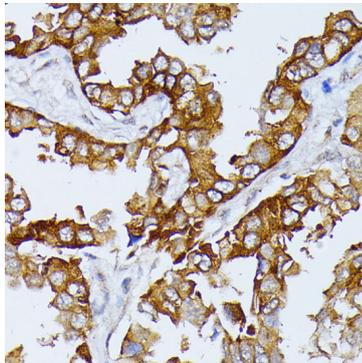
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

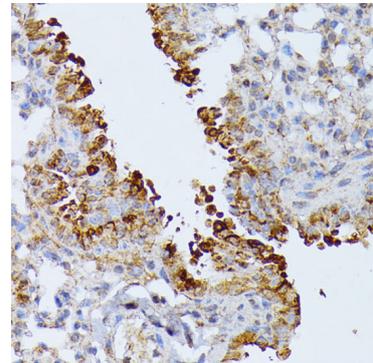
Exposure time: 90s.



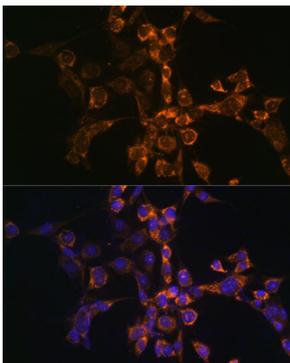
Immunohistochemistry of paraffin-embedded rat liver using Septin 4 antibody (A10238) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human lung cancer using Septin 4 antibody (A10238) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse lung using Septin 4 antibody (A10238) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of NIH-3T3 cells using Septin 4 Polyclonal Antibody (A10238) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.