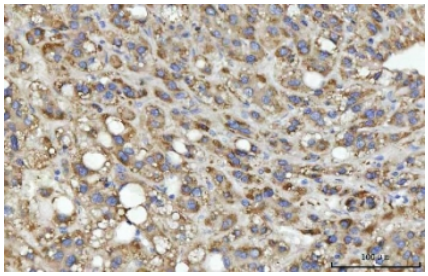
SEPT9 Antibody / Septin 9 (RQ7252)

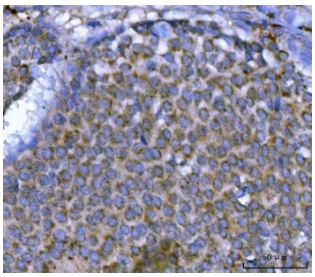
Catalog No.	Formulation	Size
RQ7252	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

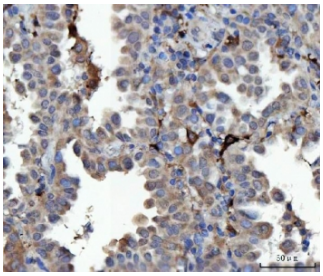
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9UHD8
Localization	Cytoplasmic
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Flow cytometry: 1-3ug/million cells Immunofluorescence: 5ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This SEPT9 antibody is available for research use only.



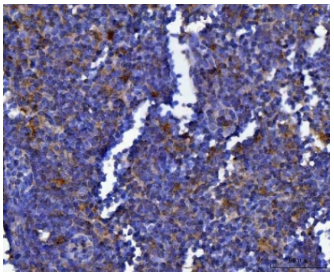
IHC staining of FFPE human liver cancer tissue with SEPT9 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



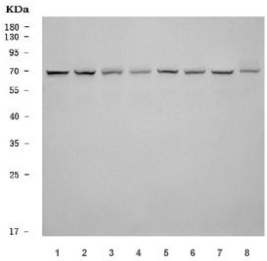
IHC staining of FFPE human breast cancer tissue with SEPT9 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



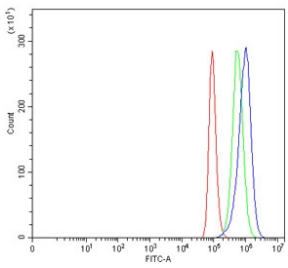
IHC staining of FFPE human lung cancer tissue with SEPT9 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



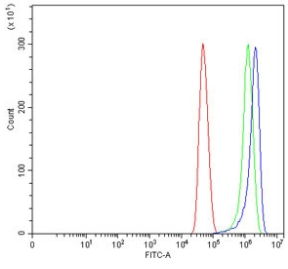
IHC staining of FFPE mouse lymph tissue with SEPT9 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



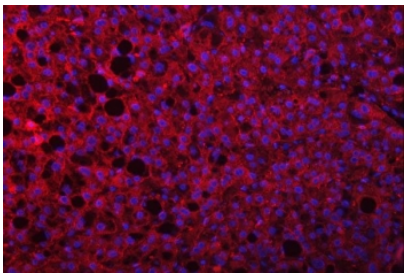
Western blot testing of human 1) HeLa, 2) MOLT4, 3) HepG2, 4) A549, 5) Daudi, 6) RT4, 7) SH-SY5Y and 8) PC-3 cell lysate with SEPT9 antibody. Predicted molecular weight: 48-65 kDa (multiple isoforms).



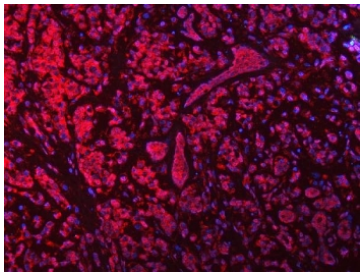
Flow cytometry testing of fixed and permeabilized human HeLa cells with SEPT9 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= SEPT9 antibody.



Flow cytometry testing of fixed and permeabilized human U-251 cells with SEPT9 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= SEPT9 antibody.



Immunofluorescent staining of FFPE human liver cancer tissue with SEPT9 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH8 EDTA buffer for 20 min.



Immunofluorescent staining of FFPE human breast cancer tissue with SEPT9 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH8 EDTA buffer for 20 min.

Description

This gene is a member of the septin family involved in cytokinesis and cell cycle control. This gene is a candidate for the ovarian tumor suppressor gene. Mutations in this gene cause hereditary neuralgic amyotrophy, also known as neuritis with brachial predilection. A chromosomal translocation involving this gene on chromosome 17 and the MLL gene on chromosome 11 results in acute myelomonocytic leukemia. Multiple alternatively spliced transcript variants encoding different isoforms have been described.

Application Notes

Optimal dilution of the SEPT9 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids R15-D282) was used as the immunogen for the SEPT9 antibody.

Storage

After reconstitution, the SEPT9 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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