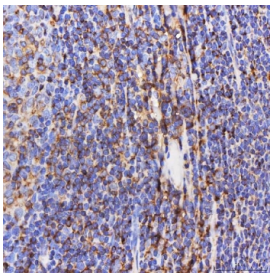
Septin 6 Antibody / SEPT6 (RQ7480)

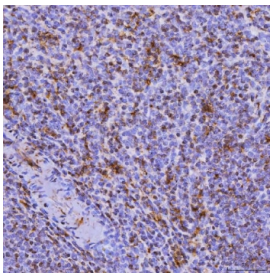
Catalog No.	Formulation	Size
RQ7480	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

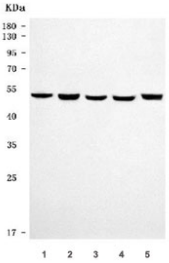
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q14141
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Septin 6 antibody is available for research use only.



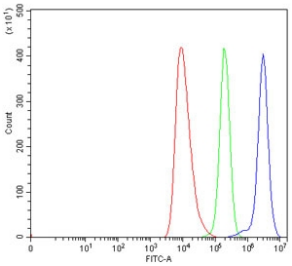
IHC staining of FFPE human tonsil tissue with Septin 6 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



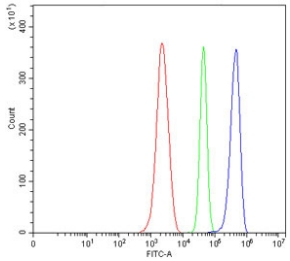
IHC staining of FFPE human spleen tissue with Septin 6 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human SH-SY5Y, 2) human MOLT4, 3) rat thymus, 4) rat brain and 5) mouse brain tissue lysate with Septin 6 antibody. Predicted molecular weight ~50 kDa.



Flow cytometry testing of human HEL cells with Septin 6 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Septin 6 antibody.



Flow cytometry testing of mouse ANA-1 cells with Septin 6 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Septin 6 antibody.

Description

Septin-6 is a protein that in humans is encoded by the SEPT6 gene. This gene is a member of the septin family of GTPases. Members of this family are required for cytokinesis. One version of pediatric acute myeloid leukemia is the result of a reciprocal translocation between chromosomes 11 and X, with the breakpoint associated with the genes encoding the mixed-lineage leukemia and septin 2 proteins. This gene encodes four transcript variants encoding three distinct isoforms. An additional transcript variant has been identified, but its biological validity has not been determined.

Application Notes

Optimal dilution of the Septin 6 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids M1-E434) was used as the immunogen for the Septin 6 antibody.

Storage

After reconstitution, the Septin 6 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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