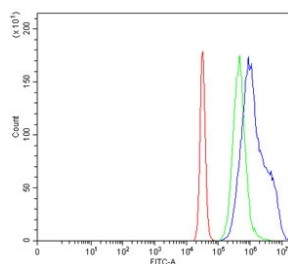


SEPT5 Antibody / Septin 5 (RQ7398)

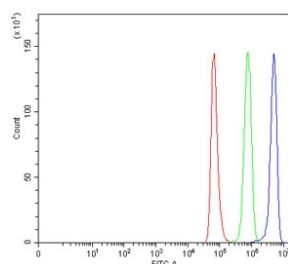
Catalog No.	Formulation	Size
RQ7398	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

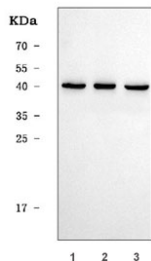
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q99719
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells
Limitations	This SEPT5 antibody is available for research use only.



Flow cytometry testing of human K562 cells with SEPT5 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= SEPT5 antibody.



Flow cytometry testing of rat NRK cells with SEPT5 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= SEPT5 antibody.



Western blot testing of human 1) U-251, 2) K562 and 3) ThP-1 cell lysate with SEPT5 antibody. Predicted molecular weight: 39-43 kDa (multiple isoforms).

Description

This gene is a member of the septin gene 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 mapped to 22q11, the region frequently deleted in DiGeorge and velocardiofacial syndromes. A translocation involving the MLL gene and this gene has also been reported in patients with acute myeloid leukemia. Alternative splicing results in multiple transcript variants. The presence of a non-consensus polyA signal (AACAAAT) in this gene also results in read-through transcription into the downstream neighboring gene (GP1BB; platelet glycoprotein Ib), whereby larger, non-coding transcripts are produced.

Application Notes

Optimal dilution of the SEPT5 antibody should be determined by the researcher.

Immunogen

Amino acids HYENYRAHCIQQMTSKLTQD were used as the immunogen for the SEPT5 antibody.

Storage

After reconstitution, the SEPT5 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.