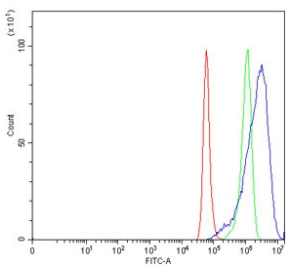
VPS41 Antibody (RQ7346)

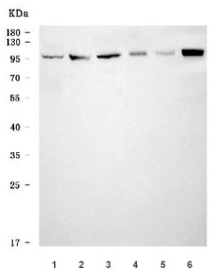
Catalog No.	Formulation	Size
RQ7346	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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	P49754
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This VPS41 antibody is available for research use only.



Flow cytometry testing of human A549 cells with VPS41 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= VPS41 antibody.



Western blot testing of 1) human HepG2, 2) human RT4, 3) human SH-SY5Y, 4) rat liver, 5) mouse small intestine and 6) mouse liver tissue lysate with VPS41 antibody. Predicted molecular weight: 93-98 kDa (multiple isoforms).

Description

Vesicle mediated protein sorting plays an important role in segregation of intracellular molecules into distinct organelles. Genetic studies in yeast have identified more than 40 vacuolar protein sorting (VPS) genes involved in vesicle transport to vacuoles. This gene encodes the human ortholog of yeast Vps41 protein which is also conserved in Drosophila, tomato, and Arabidopsis. Expression studies in yeast and human indicate that this protein may be involved in the formation and fusion of transport vesicles from the Golgi. Several transcript variants encoding different isoforms have been described for this gene, however, the full-length nature of not all is known.

Application Notes

Optimal dilution of the VPS41 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids Q44-R843) was used as the immunogen for the VPS41 antibody.

Storage

After reconstitution, the VPS41 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.