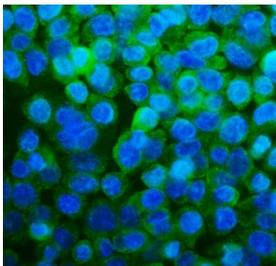


RPL13A Antibody [clone 4C9] (RQ6540)

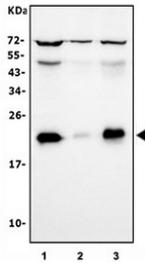
Catalog No.	Formulation	Size
RQ6540	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

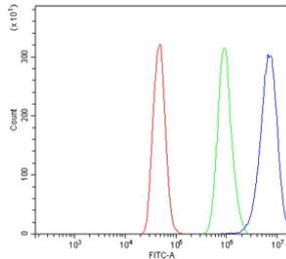
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a
Clone Name	4C9
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P40429
Localization	Cytoplasmic
Applications	Western Blot : 1-2ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells
Limitations	This RPL13A antibody is available for research use only.



Immunofluorescent staining of FFPE human Caco-2 cells with RPL13A antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) HEK293, 2) HeLa and 3) K562 cell lysate with RPL13A antibody. Predicted molecular weight ~23 kDa.



Flow cytometry testing of human a431 cells with RPL13A antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= RPL13A antibody.

Description

60S ribosomal protein L13a is a protein that in humans is encoded by the RPL13A gene. It is mapped to 19q13.33. Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a member of the L13P family of ribosomal proteins that is a component of the 60S subunit. The encoded protein also plays a role in the repression of inflammatory genes as a component of the IFN-gamma-activated inhibitor of translation (GAIT) complex. This gene is co-transcribed with the small nucleolar RNA genes U32, U33, U34, and U35, which are located in the second, fourth, fifth, and sixth introns, respectively. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed throughout the genome. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

Application Notes

Optimal dilution of the RPL13A antibody should be determined by the researcher.

Immunogen

An E. coli-derived human protein (amino acids A2-V203) was used as the immunogen for the RPL13A antibody.

Storage

After reconstitution, the RPL13A antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.