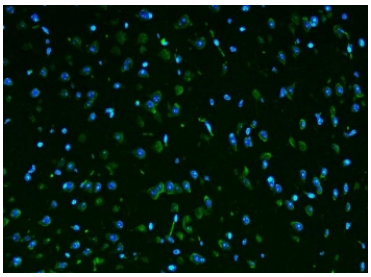
Rpl9 Antibody / 60S ribosomal protein L9 (RQ6679)

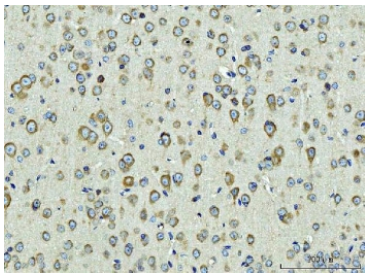
Catalog No.	Formulation	Size
RQ6679	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

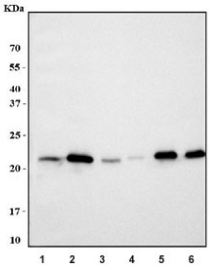
Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P51410
Localization	Cytoplasmic
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Immunofluorescence (FFPE) : 5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This Rpl9 antibody is available for research use only.



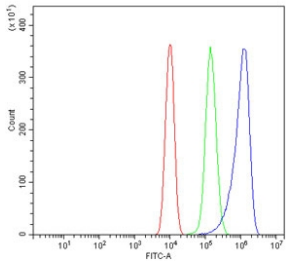
Immunofluorescent staining of FFPE mouse brain tissue with Rpl9 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



IHC staining of FFPE mouse brain tissue with Rpl9 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) rat brain, 2) rat pancreas, 3) rat C6, 4) mouse brain, 5) mouse pancreas and 6) mouse RAW264.7 cell lysate with Rpl9 antibody. Predicted molecular weight ~22 kDa.



Flow cytometry testing of mouse RAW264.7 cells with Rpl9 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Rpl9 antibody.

Description

60S ribosomal protein L9 is a protein that in humans is encoded by the RPL9 gene. 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 ribosomal protein that is a component of the 60S subunit. The protein belongs to the L6P family of ribosomal proteins. It is located in the cytoplasm. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. Alternative splicing results in multiple transcript variants.

Application Notes

Optimal dilution of the Rpl9 antibody should be determined by the researcher.

Immunogen

Recombinant mouse protein (amino acids M1-E192) was used as the immunogen for the Rpl9 antibody.

Storage

After reconstitution, the Rpl9 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.