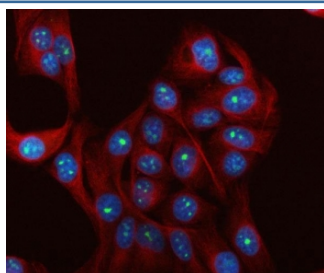


## IMP4 Antibody / U3 small nucleolar ribonucleoprotein protein IMP4 (RQ8593)

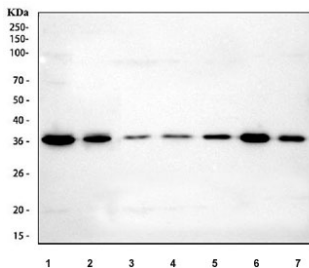
Catalog No.	Formulation	Size
RQ8593	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

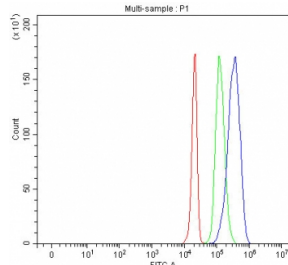
<b>Availability</b>	1-3 days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	Q96G21
<b>Localization</b>	Nucleolus
<b>Applications</b>	Western Blot : 0.5-1ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This IMP4 antibody is available for research use only.



Immunofluorescent staining of FFPE human HeLa cells with IMP4 antibody (green), Beta Tubulin mAb (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human HepG2, 2) human MCF7, 3) rat PC-12, 4) mouse thymus, 5) mouse RAW264.7, 6) mouse EL-4 and 7) mouse ANA-1 cell lysate with IMP4 antibody. Predicted molecular weight ~34 kDa.



Flow cytometry testing of fixed and permeabilized human HepG2 cells with IMP4 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= IMP4 antibody.

## Description

U3 small nucleolar ribonucleoprotein protein IMP4 is a protein that in humans is encoded by the IMP4 gene. The protein encoded by this gene, along with IMP3 and MPP10, is part of the 60-80S U3 small nucleolar ribonucleoprotein (U3 snoRNP) complex. This complex is necessary for the early cleavage steps of pre-18S ribosomal RNA processing. Several transcript variants encoding different isoforms have been found for this gene.

## Application Notes

Optimal dilution of the IMP4 antibody should be determined by the researcher.

## Immunogen

An E.coli-derived human recombinant protein (amino acids L2-K236) was used as the immunogen for the IMP4 antibody.

## Storage

After reconstitution, the IMP4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.