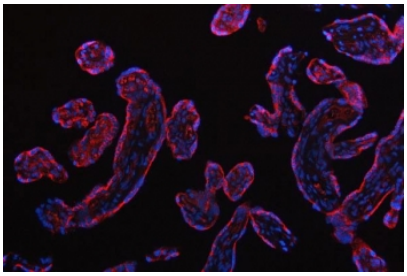
Small ribosomal subunit protein uS7 Antibody / RPS5 (RQ7761)

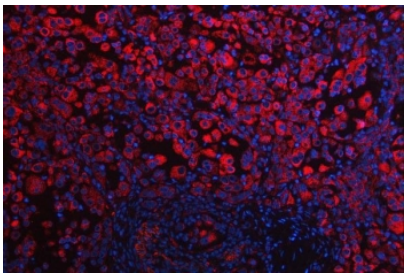
Catalog No.	Formulation	Size
RQ7761	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

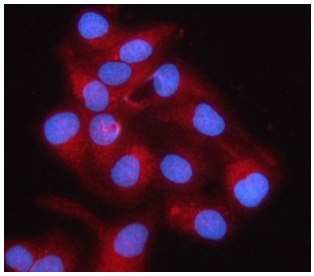
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P46782
Localization	Cytoplasmic, nuclear
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Small ribosomal subunit protein uS7 antibody is available for research use only.



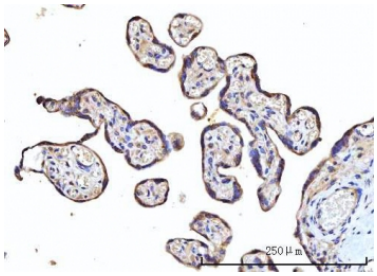
Immunofluorescent staining of FFPE human placental tissue with Small ribosomal subunit protein uS7 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH8 EDTA buffer for 20 min.



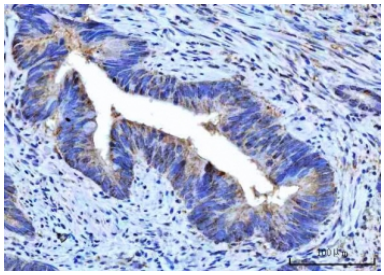
Immunofluorescent staining of FFPE human lung cancer tissue with Small ribosomal subunit protein uS7 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH8 EDTA buffer for 20 min.



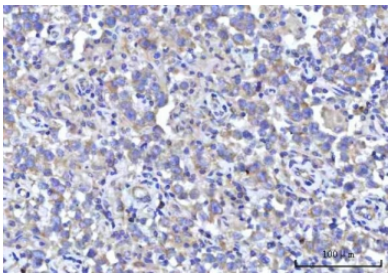
Immunofluorescent staining of FFPE human HeLa cells with Small ribosomal subunit protein uS7 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



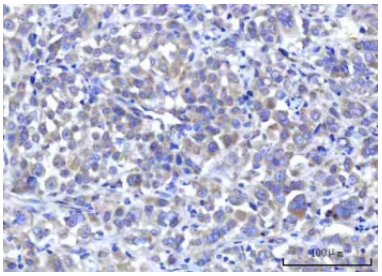
IHC staining of FFPE human placental tissue with Small ribosomal subunit protein uS7 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



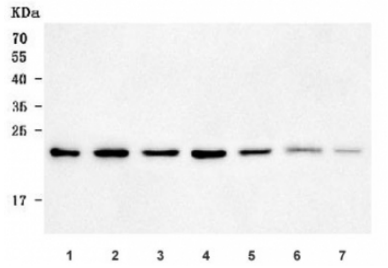
IHC staining of FFPE human rectum adenocarcinoma tissue with Small ribosomal subunit protein uS7 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



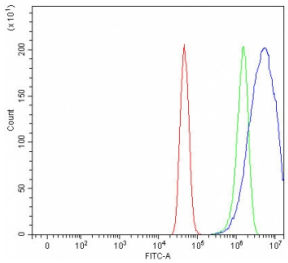
IHC staining of FFPE human testicular seminoma tissue with Small ribosomal subunit protein uS7 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human lung adenocarcinoma tissue with Small ribosomal subunit protein uS7 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human 293T, 2) human HeLa, 3) human Jurkat, 4) human HepG2, 5) rat liver, 6) mouse liver and 7) mouse ovary tissue lysate with Small ribosomal subunit protein uS7 antibody. Predicted molecular weight ~23 kDa.



Flow cytometry testing of human U-251 cells with Small ribosomal subunit protein uS7 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Small ribosomal subunit protein uS7 antibody.

Description

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 40S subunit. The protein belongs to the S7P family of ribosomal proteins. It is located in the cytoplasm. Variable expression of this gene in colorectal cancers compared to adjacent normal tissues has been observed, although no correlation between the level of expression and the severity of the disease has been found. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.

Application Notes

Optimal dilution of the Small ribosomal subunit protein uS7 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids M1-R204) was used as the immunogen for the Small ribosomal subunit protein uS7 antibody.

Storage

After reconstitution, the Small ribosomal subunit protein uS7 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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