



Ribosomal Protein S4Y1 Polyclonal Antibody

Catalog No	YP-Ab-04169
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC;IF;ELISA
Gene Name	RPS4Y1
Immunogen	The antiserum was produced against synthesized peptide derived from human RPS4Y1. AA range:214-263
Specificity	Ribosomal Protein S4Y1 Polyclonal Antibody detects endogenous levels of Ribosomal Protein S4Y1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Small ribosomal subunit protein eS4;Y isoform 1;RPS4Y;PRO2646;40S ribosomal protein S4;RS4Y1;Ribosomal Protein S4Y1;RPS4Y1;40S ribosomal protein S4 Y isoform 1
Observed Band	29kD
Calculated Molecular Weight	29kD
Cell Pathway	nucleus,nucleoplasm,cytosol,ribosome,polysome,membrane,cytosolic small ribosomal subunit,
Tissue Specificity	Coronary artery,Fetal liver,PCR rescued clones,Placenta,
Function	miscellaneous:This isoform is encoded on the Y chromosome.,similarity:Belongs to the ribosomal protein S4e family.,similarity:Contains 1 S4 RNA-binding domain.,
Background	Cytoplasmic ribosomes, 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 ribosomal protein S4, a component of the 40S subunit. Ribosomal protein S4 is the only ribosomal protein known to be encoded by more than one gene, namely this gene and ribosomal protein S4, X-linked (RPS4X). The 2 isoforms encoded by these genes are not identical, but are functionally equivalent. Ribosomal protein S4 belongs to the S4E family of ribosomal proteins. It has been suggested that haploinsufficiency of the ribosomal protein S4 genes plays a role in Turner syndrome; however, this hypothesis is controversial. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through

matters needing attention

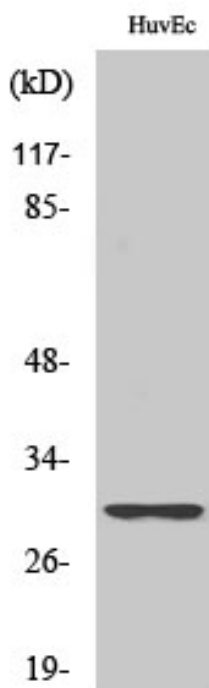
Avoid repeated freezing and thawing!

Usage suggestions

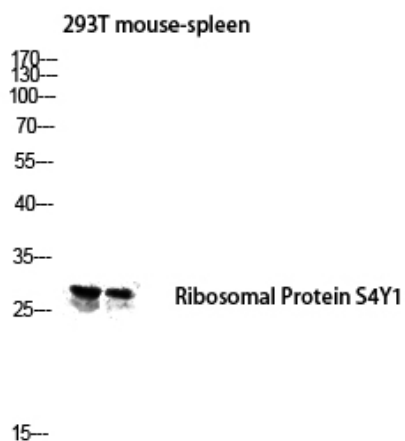
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



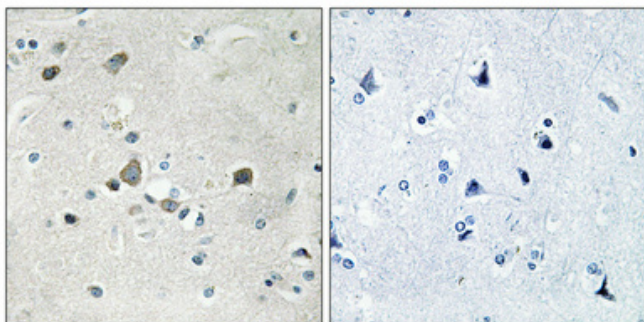
Products Images



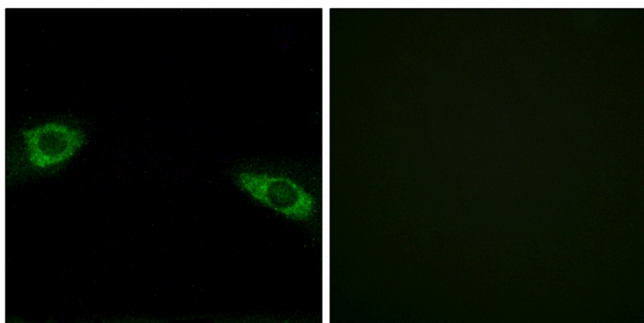
Western Blot analysis of various cells using Ribosomal Protein S4Y1 Polyclonal Antibody diluted at 1:1000



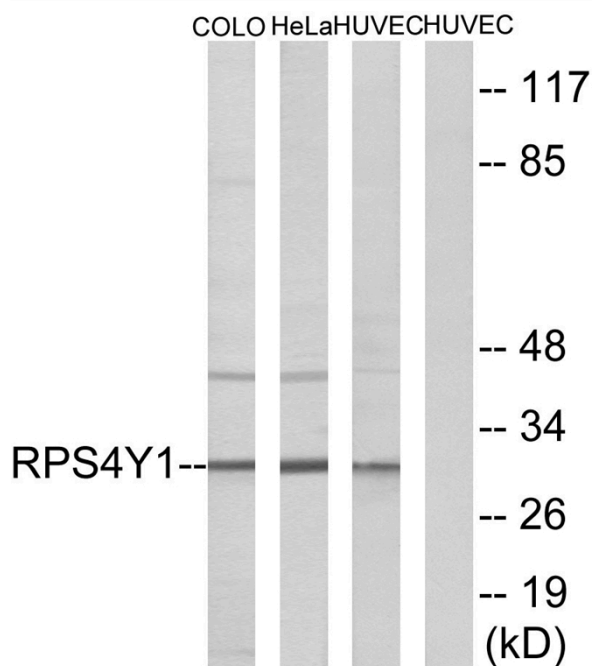
Western blot analysis of 293T mouse-spleen lysis using Ribosomal Protein S4Y1 antibody. Antibody was diluted at 1:1000



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100 (4° overnight). High-pressure and temperature Tris-EDTA, pH 8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.



Immunofluorescence analysis of HUVEC cells, using RPS4Y1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HUVEC, HeLa, and COLO cells, using RPS4Y1 Antibody. The lane on the right is blocked with the synthesized peptide.