

RPS4Y1 Antibody

Catalog No: #34340



Package Size: #34340-1 50ul #34340-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

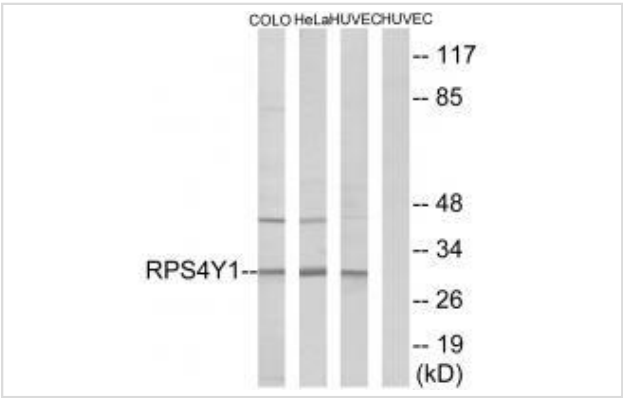
Product Name	RPS4Y1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IF
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total RPS4Y1 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from C-terminal of human RPS4Y1.
Target Name	RPS4Y1
Other Names	40S ribosomal protein S4; Y isoform 1; RPS4Y; RS4Y1;
Accession No.	Swiss-Prot: P22090NCBI Gene ID: 6192
Uniprot	P22090
GeneID	6192;
SDS-PAGE MW	29kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

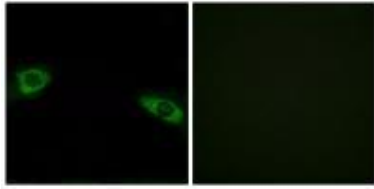
Immunofluorescence: 1:100~1:500

Images



Western blot analysis of extracts from COLO cells, HeLa cells and HUVEC cells, using RPS4Y1 antibody #34340.

Immunofluorescence analysis of HuvEc cells, using RPS4Y1 antibody #34340.



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 the genome.

Fisher E.M.C., Cell 63:1205-1218(1990).

Zuo L., Submitted (JAN-1998) to the EMBL/GenBank/DDBJ databases.

Zhang C., Submitted (DEC-1998) to the EMBL/GenBank/DDBJ databases.

Note: This product is for in vitro research use only