



# Ribosomal Protein S4Y1 Monoclonal Antibody

Catalog No	BYmab-04169
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	RPS4Y1
Protein Name	40S ribosomal protein S4 Y isoform 1
Immunogen	The antiserum was produced against synthesized peptide derived from human RPS4Y1. AA range:214-263
Specificity	Ribosomal Protein S4Y1 Monoclonal 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	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	RPS4Y1; RPS4Y; 40S ribosomal protein S4; Y isoform 1
Observed Band	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

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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

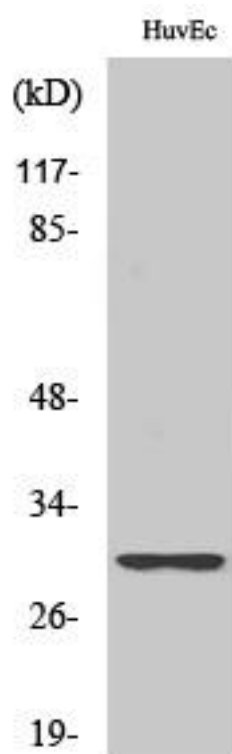
**matters needing attention**

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 Monoclonal Antibody