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Datasheet for ABIN656730
anti-RPS4Y1 antibody (AA 76-105)

3 Images

Overview

Quantity:	400 µL
Target:	RPS4Y1
Binding Specificity:	AA 76-105
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This RPS4Y1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 76-105 amino acids from the Central region of human RPS4Y1.
Clone:	RB32129
Isotype:	Ig Fraction
Predicted Reactivity:	C, X
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	RPS4Y1
Alternative Name:	RPS4Y1 (RPS4Y1 Products)

Target Details

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.

Molecular Weight: 29456

Gene ID: 6192

NCBI Accession: [NP_000999](#)

UniProt: [P22090](#)

Application Details

Application Notes: WB: 1:2000. IHC-P: 1:10~50. FC: 1:10~50

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

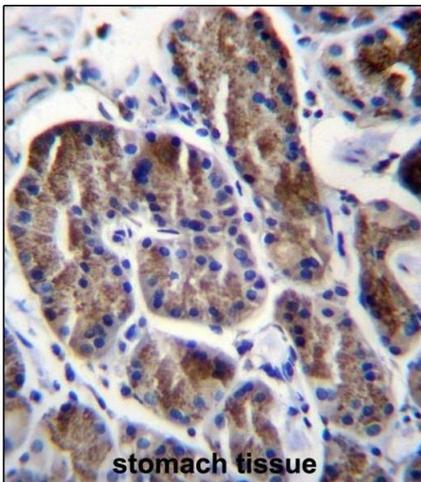
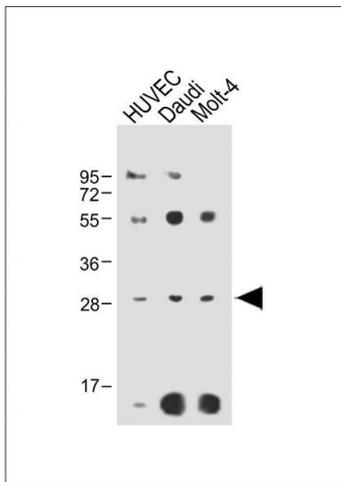
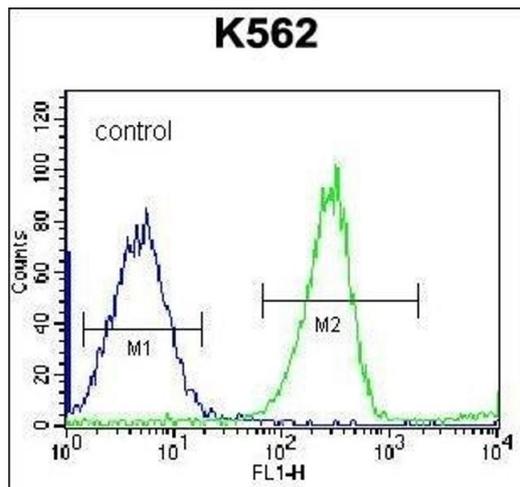
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: RPS4Y1 Antibody (Center) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.

Expiry Date: 6 months



Flow Cytometry

Image 1. RPS4Y1 Antibody (Center) (ABIN656730 and ABIN2845954) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. All lanes : Anti-RPS4Y1 Antibody (Center) at 1:2000 dilution Lane 1: HUVEC whole cell lysate Lane 2: Daudi whole cell lysate Lane 3: Molt-4 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 29 kDa Blocking/Dilution buffer: 5 % NFDN/TBST.

Immunohistochemistry (Paraffin-embedded Sections)

Image 3. RPS4Y1 Antibody (Center) (ABIN656730 and ABIN2845954) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of RPS4Y1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.