Rabbit RPS4Y1 Polyclonal Antibody | anti-RPS4Y1 antibody

RPS4Y1 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288657	**Rabbit**	**Human (Predicted Reactivity: Chicken, Xenopus)**	**Immunohistochemistry, Western Blot, ELISA, Flow Cytometry, Functional Assay**

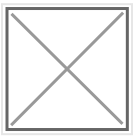
PRODUCT SYNONYMS

RPS4Y1; Polyclonal Antibody; RPS4Y1 Antibody (Center); 40S ribosomal protein S4; Y isoform 1; RPS4Y; anti-RPS4Y1 antibody

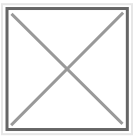
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Chicken, Xenopus)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	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.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.45 (varies by lot)
Sequence Positions	76-105
Sequence Length	263
Applicable Applications for anti-RPS4Y1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA, FCM/FACS (Flow Cytometry)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)
RPS4Y1 Antibody (Center) 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.



IHC (Immunohiostchemistry)
RPS4Y1 Antibody (Center) 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.

WB (Western Blot)
RPS4Y1 Antibody (Center) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the RPS4Y1 antibody detected the RPS4Y1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-RPS4Y1 antibody	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.
References	Agate, R.J., et al. Mol. Biol. Evol. 21(2):384-396(2004) Vawter, M.P., et al. Neuropsychopharmacology 29(2):373-384(2004) Kapp, L.D., et al. Annu. Rev. Biochem. 73, 657-704 (2004) : Skaletsky, H., et al. Nature 423(6942):825-837(2003) Sampath, P., et al. Mol. Cell. Biol. 23(5):1509-1519(2003)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506727
NCBI GeneID	6192
NCBI Accession #	NP_000999.1
NCBI GenBank Nucleotide #	NM_001008.3
UniProt Accession #	P22090; A8K9V4
Molecular Weight	29456
NCBI Official Full Name	40S ribosomal protein S4, Y isoform 1
NCBI Official Synonym Full Names	ribosomal protein S4, Y-linked 1
NCBI Official Symbol	RPS4Y1
NCBI Official Synonym Symbols	S4; RPS4Y
NCBI Protein Information	40S ribosomal protein S4, Y isoform 1
UniProt Protein Name	40S ribosomal protein S4, Y isoform 1
UniProt Gene Name	**RPS4Y1**
UniProt Synonym Gene Names	RPS4Y
UniProt Entry Name	RS4Y1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/rps4y1-antibody-immunohistochemistry-western-blot-flow-cytometry-elisa/288657