

Rabbit RPS13 Polyclonal Antibody | anti-RPS13 antibody

RPS13 Antibody (Center)

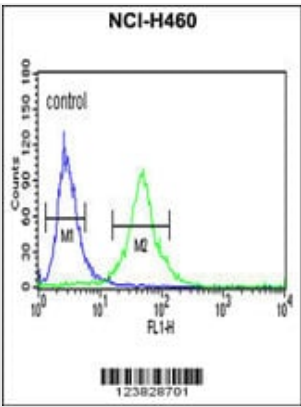
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287041	Rabbit	Human (Predicted Reactivity: Bovine, Chicken, Hamster, Mouse, Rat, Xenopus)	Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

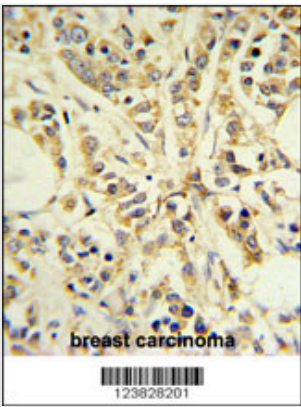
RPS13; Polyclonal Antibody; RPS13 Antibody (Center); 40S ribosomal protein S13; anti-RPS13 antibody

PRODUCT SPECIFICATIONS

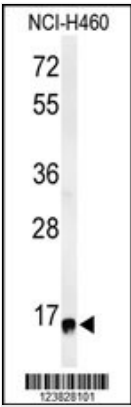
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Chicken, Hamster, Mouse, Rat, Xenopus)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This RPS13 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 82-110 amino acids from the Central region of human RPS13.
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: 0.5 (varies by lot)
Sequence Positions	82-110
Sequence Length	151
Applicable Applications for anti-RPS13 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
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.



FCM/FACS (Flow Cytometry)
RPS13 Antibody (Center) flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
RPS13 Antibody (Center) IHC analysis in formalin fixed and paraffin embedded breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the RPS13 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of RPS13 Antibody (Center) in NCI-H460 cell line lysates (35ug/lane). RPS13 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-RPS13 antibody	RPS13, the 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 a ribosomal protein that is a component of the 40S subunit. The protein belongs to the S15P family of ribosomal proteins. It is located in the cytoplasm. The protein has been shown to bind to the 5.8S rRNA in rat. The gene product of the E. coli ortholog (ribosomal protein S15) functions at early steps in ribosome assembly. This gene is co-transcribed with two U14 small nucleolar RNA genes, which are located in its third and fifth introns. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.
References	Malygin, A.A., et al. Nucleic Acids Res. 35(19):6414-6423(2007) Olsen, J.V., et al. Cell 127(3):635-648(2006) Yu, Y., et al. Protein Sci. 14(6):1438-1446(2005)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506685
NCBI GeneID	6207
NCBI Accession #	NP_001008.1
NCBI GenBank Nucleotide #	NM_001017.2

UniProt Accession #	P62277; P19116; Q02546; Q29200; Q498Y0; B2R549
Molecular Weight	17222
NCBI Official Full Name	40S ribosomal protein S13
NCBI Official Synonym Full Names	ribosomal protein S13
NCBI Official Symbol	RPS13
NCBI Official Synonym Symbols	S13
NCBI Protein Information	40S ribosomal protein S13
UniProt Protein Name	40S ribosomal protein S13
UniProt Gene Name	RPS13
UniProt Entry Name	RS13_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/rps13-antibody-western-blot-flow-cytometry-immunohistochemistry-elisa/287041>