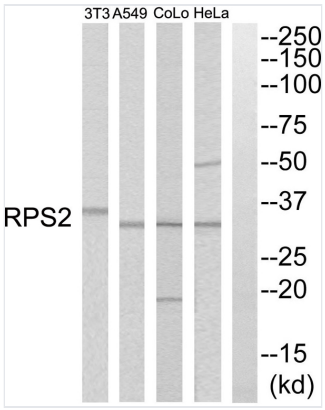
RPS2 Antibody

PRODUCT OVERVIEW

Product Name	RPS2, Antibody
Full Product Name	RPS2 Antibody
Product Gene Name	anti-RPS2 antibody
Product Synonym Names	40S ribosomal protein S2; LLREP3; LLRep3 protein; OK/KNS-cl.6; ribosomal protein S2; RPS4; RS2; S4
Species Reactivity	Human, Mouse, Rat
Form/Format	In phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Specificity	RPS2 antibody detects endogenous levels of total RPS2 protein.
Preparation and Storage	Store at-20 degree C for 1 year.
Molecular Weight	31,324 Da
OMIM	603624
3D Structure	ModBase 3D Structure for P15880
Immunogen	The antiserum was produced against synthesized peptide derived from C-terminal of human RPS2.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-RPS2 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-RPS2 antibody	WB: 1:500~1:1000 ELISA: 1:20000
Related Product Information for anti-RPS2 antibody	MBS8509844 is an antibody targeting RPS2. Also known as RPS2 Antibody. Reactive in Human, Mouse, Rat.
Product References and Citations for anti-RPS2 antibody	Slynn G., Nucleic Acids Res. 18:681-681(1990). Ota T., Nat. Genet. 36:40-45(2004). Mural R.J., Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Other Notes	Small volumes of anti-RPS2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-RPS2 antibody
Western blot analysis of extracts from HeLa cells, A549 cells, COLO205 cells and NIH-3T3 cells, using RPS2 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RPS2. It may not necessarily be applicable to this product.

NCBI GI #	15055539
NCBI GeneID	6187
NCBI Accession #	NP_002943.2
UniProt Primary Accession #	P15880
UniProt Secondary Accession #	Q3MIB1; B2R5G0; D3DU82
UniProt Related Accession #	P15880
GenBank Nucleotide #	NM_002952.3
NCBI Official Full Name	40S ribosomal protein S2
NCBI Official Synonym Full Names	ribosomal protein S2
NCBI Official Symbol	RPS2
NCBI Official Synonym Symbols	S2; LLREP3
UniProt Protein Name	40S ribosomal protein S2
UniProt Synonym Protein Names	40S ribosomal protein S4; Protein LLRep3; Small ribosomal subunit protein uS5
Protein Family	30S ribosomal protein
UniProt Gene Name	RPS2
UniProt Synonym Gene Names	RPS4
NCBI Protein Information	40S ribosomal protein S2
NCBI Summary for RPS2	Ribosomes, 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 S5P family of ribosomal proteins. It is located in the cytoplasm. This gene shares sequence similarity with mouse LLRep3. It is co-transcribed with the small nucleolar RNA gene U64, which is located in its third intron. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq, Jul 2008]
Research Articles on RPS2	**1.** Findings uncover the existence of an extra-ribosomal complex consisting of PDCD2L, RPS2, and PRMT3 and support a role for PDCD2L in the late maturation of 40S ribosomal subunits.

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