

RPS12 Antibody

Catalog No: #34329

Package Size: #34329-1 50ul #34329-2 100ul

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Description

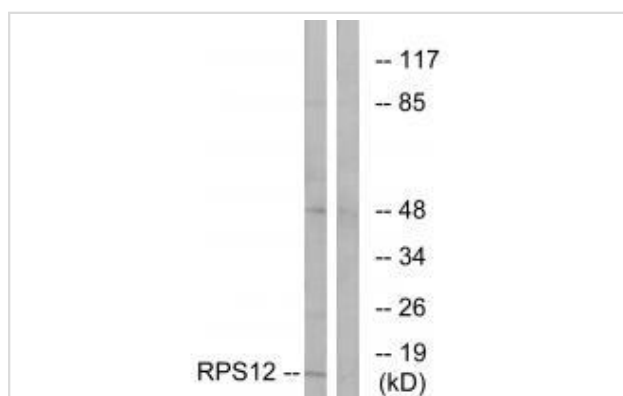
Product Name	RPS12 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IF
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total RPS12 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from C-terminal of human RPS12.
Target Name	RPS12
Other Names	40S ribosomal protein S12; RS12;
Accession No.	Swiss-Prot: P25398NCBI Gene ID: 6206
Uniprot	P25398
GeneID	6206;
SDS-PAGE MW	15kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

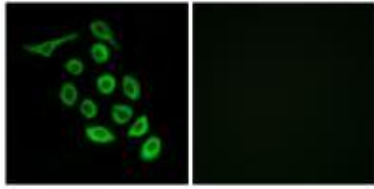
Immunofluorescence: 1:100~1:500

Images



Western blot analysis of extracts from COLO cells, using RPS12 antibody #34329.

Immunofluorescence analysis of A549 cells, using RPS12 antibody #34329.



Background

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 S12E family of ribosomal proteins. It is located in the cytoplasm. Increased expression of this gene in colorectal cancers compared to matched normal colonic mucosa has been observed. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.

Herauld Y., Nucleic Acids Res. 19:4001-4001(1991).

Bienvenut W.V., Submitted (FEB-2008) to UniProtKB.

Vladimirov S.N., Eur. J. Biochem. 239:144-149(1996).

Note: This product is for in vitro research use only