



# Ribosomal Protein S12 rabbit pAb

Cat No.:ES3370

For research use only

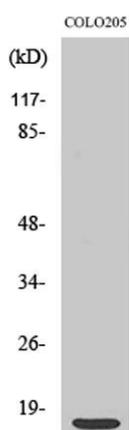
## Overview

|                                 |  |
|---------------------------------|--|
| <b>Product Name</b>             | Ribosomal Protein S12 rabbit pAb   |
| <b>Host species</b>             | Rabbit   |
| <b>Applications</b>             | WB;IHC;IF;ELISA  |
| <b>Species Cross-Reactivity</b> | Human;Mouse;Rat  |
| <b>Recommended dilutions</b>    | Western Blot: 1/500 - 1/2000.<br>Immunohistochemistry: 1/100 - 1/300.<br>Immunofluorescence: 1/200 - 1/1000. ELISA:<br>1/40000. Not yet tested in other applications.                                      |
| <b>Immunogen</b>                | The antiserum was produced against synthesized peptide derived from human RPS12. AA range:83-132   |
| <b>Specificity</b>              | Ribosomal Protein S12 Polyclonal Antibody detects endogenous levels of Ribosomal Protein S12 protein.  |
| <b>Formulation</b>              | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| <b>Storage</b>                  | Store at -20°C. Avoid repeated freeze-thaw cycles.   |
| <b>Protein Name</b>             | 40S ribosomal protein S12  |
| <b>Gene Name</b>                | RPS12  |
| <b>Cellular localization</b>    | Cytoplasm.   |
| <b>Purification</b>             | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  |
| <b>Clonality</b>                | Polyclonal   |
| <b>Concentration</b>            | 1 mg/ml  |
| <b>Observed band</b>            | 15kD   |
| <b>Human Gene ID</b>            | 6206   |
| <b>Human Swiss-Prot Number</b>  | P25398   |
| <b>Alternative Names</b>        | RPS12; 40S ribosomal protein S12   |
| <b>Background</b>               | 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 |

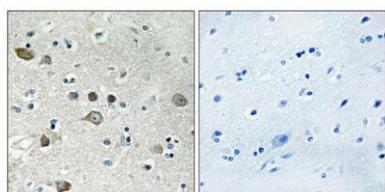




distinct proteins. This gene encodes a ribosomal protein that is a component of the 40S subunit. The protein belongs to the S12E family of ribosomal proteins. It is located in the cytoplasm. Increased expression of this gene in colorectal cancers compared to matched normal colonic mucosa has been observed. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq, Jul 2008],



Western Blot analysis of various cells using Ribosomal Protein S12 Polyclonal Antibody



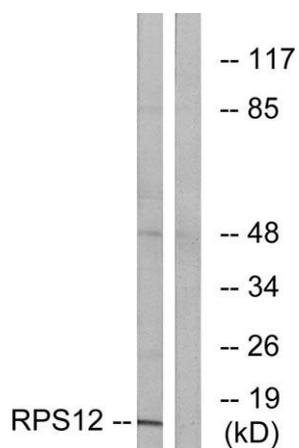
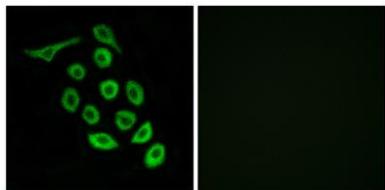
Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.





**ELK Biotechnology**

Immunofluorescence analysis of A549 cells, using RPS12 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COLO cells, using RPS12 Antibody. The lane on the right is blocked with the synthesized peptide.



+86-27-59760950

[ELKbio@ELKbiotech.com](mailto:ELKbio@ELKbiotech.com)

[www.elkbiotech.com](http://www.elkbiotech.com)

23-2, No.388 Gaoxin 2nd Road,Wuhan East Lake Hi-tech Development Zone, Hubei , P.R.C