

## Ribosomal Protein L34 rabbit pAb

**Cat#: orb766240 (Manual)**

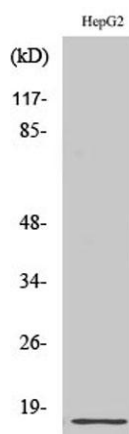
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<b>Product Name</b>	Ribosomal Protein L34 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human RPL34. AA range:41-90
<b>Specificity</b>	Ribosomal Protein L34 Polyclonal Antibody detects endogenous levels of Ribosomal Protein L34 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>	60S ribosomal protein L34
<b>Gene Name</b>	RPL34
<b>Cellular localization</b>	Cytoplasm, cytosol . Cytoplasm . Endoplasmic reticulum . Detected on cytosolic polysomes (PubMed:25957688). Detected in ribosomes that are associated with the rough endoplasmic reticulum (By similarity). .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

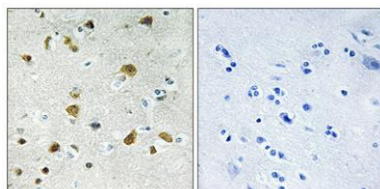
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	13kD
<b>Human Gene ID</b>	6164
<b>Human Swiss-Prot Number</b>	P49207
<b>Alternative Names</b>	RPL34; 60S ribosomal protein L34

### Background

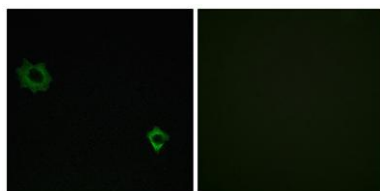
Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a ribosomal protein that is a component of the 60S subunit. The protein belongs to the L34E family of ribosomal proteins. It is located in the cytoplasm. This gene originally was thought to be located at 17q21, but it has been mapped to 4q. Overexpression of this gene has been observed in some cancer cells. Alternative splicing results in multiple transcript variants, all encoding the same isoform. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq, Feb 2016],



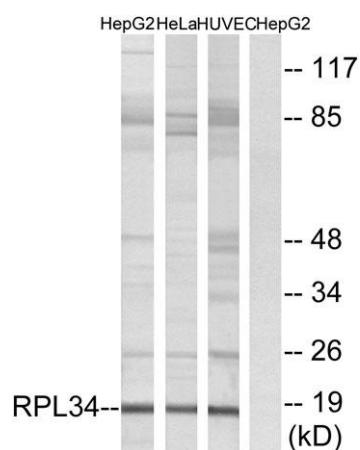
**Western Blot analysis of various cells using Ribosomal Protein L34 Polyclonal Antibody diluted at 1:500**



**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.**



**Immunofluorescence analysis of HUVEC cells, using RPL34 Antibody. The picture on the right is blocked with the synthesized peptide.**



**Western blot analysis of lysates from HepG2, HeLa, and HUVEC cells, using RPL34 Antibody. The lane on the right is blocked with the synthesized peptide.**