

**AP53716PU-N****Polyclonal Antibody to RPL31 (Center) - Aff - Purified**

<b>Alternate names:</b>	60S ribosomal protein L31
<b>Quantity:</b>	0.4 ml
<b>Concentration:</b>	lot specific
<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. RPL31 is a ribosomal protein that is a component of the 60S subunit. The protein belongs to the L31E family of ribosomal proteins. It is located in the cytoplasm.
<b>Uniprot ID:</b>	<a href="#">B7Z4K2</a>
<b>NCBI:</b>	<a href="#">NP_001092047</a>
<b>GeneID:</b>	<a href="#">6160</a>
<b>Host / Isotype:</b>	Rabbit / Ig
<b>Immunogen:</b>	KLH conjugated synthetic peptide selected from the Central region of Human RPL31. <b>Genename:</b> RPL31
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction <b>Purification:</b> Protein A column followed by peptide Affinity purification <b>Buffer System:</b> PBS with 0.09% (W/V) Sodium Azide as preservative
<b>Applications:</b>	ELISA: 1/1,000. Western blotting: 1/100-1/500. Flow Cytometry: 1/10-1/50. Immunohistochemistry: 1/50-1/100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	Recognizes RPL31 (Center). <b>Species:</b> Human. Other species not tested.
<b>Add. Information:</b>	<b>Molecular Weight:</b> 14463 Da
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>Caution:</b>	This product is for research use only. Not for use in diagnostic or therapeutic procedures
<b>General Readings:</b>	1. Ewing RM, Chu P, Elisma F, Li H, Taylor P, Climie S, et al. Large-scale mapping of human protein-protein interactions by mass spectrometry. <i>Mol Syst Biol.</i> 2007;3:89. Epub 2007 Mar 13. PubMed PMID: 17353931. 2. Olsen JV, Blagoev B, Gnäd F, Macek B, Kumar C, Mortensen P, et al. Global, in vivo, and site-specific phosphorylation dynamics in signaling networks. <i>Cell.</i> 2006 Nov

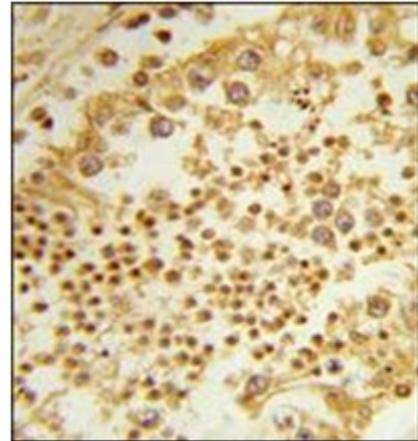
3;127(3):635-48. PubMed PMID: 17081983.

3. Hillier LW, Graves TA, Fulton RS, Fulton LA, Pepin KH, Minx P, et al. Generation and annotation of the DNA sequences of human chromosomes 2 and 4. *Nature*. 2005 Apr 7;434(7034):724-31. PubMed PMID: 15815621.

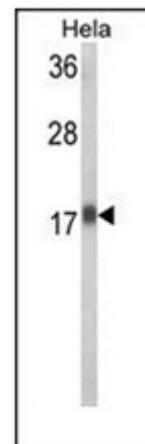
4. Rush J, Moritz A, Lee KA, Guo A, Goss VL, Spek EJ, et al. Immunoaffinity profiling of tyrosine phosphorylation in cancer cells. *Nat Biotechnol*. 2005 Jan;23(1):94-101. Epub 2004 Dec 12. PubMed PMID: 15592455.

#### Pictures:

Immunohistochemistry analysis in Formalin Fixed, Paraffin Embedded Human Testis using RPL31 Antibody (Center) Cat.-No. AP53716PU-N followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of RPL31 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



Western blot analysis in HeLa cell line lysates (35 ug/lane) using RPL31 Antibody (Center) Cat.-No. AP53716PU-N. This demonstrates the RPL31 antibody detected the RPL31 protein (arrow).



Flow Cytometric analysis of HeLa cells (right histogram) compared to a negative control cell (left histogram) using RPL31 Antibody (Center) Cat.-No. AP53716PU-N. FITC-conjugated Goat-anti-Rabbit secondary antibodies were used for the analysis.

