Product Name: KD-Validated Ribosomal Protein L13 Recombinant Rabbit Monoclonal Antibody

Catalog #: KVAb01522

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,IHC-P
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 24.3kDa

Antigen Information

Gene Name	RPL13
Alternative Names	RPL13; Ribosomal Protein L13; BBC1; D16S444E; L13; Large Ribosomal Subunit Protein EL13; Breast Basic Conserved Protein 1; 60S Ribosomal Protein L13; Breast Basic Conserved 1; EL13; D16S44E; SEMDIST
Gene ID	6137.0
SwissProt ID	P26373
Immunogen	A synthesized peptide derived from human RPL13

Background

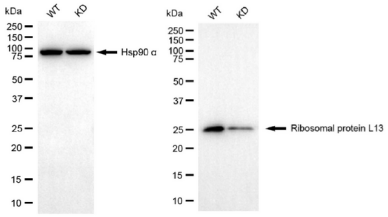
Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together

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 L13E family of ribosomal proteins. It is located in the cytoplasm. This gene is expressed at significantly higher levels in benign breast lesions than in breast carcinomas. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq, Jul 2011]

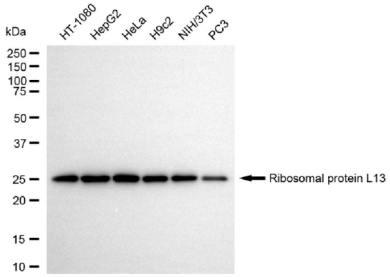
Research Area

Epigenetics and Nuclear Signaling

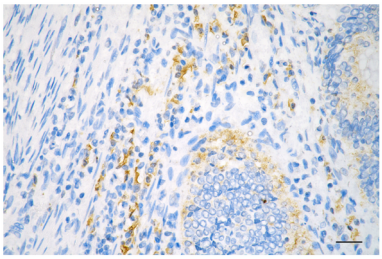
Image Data



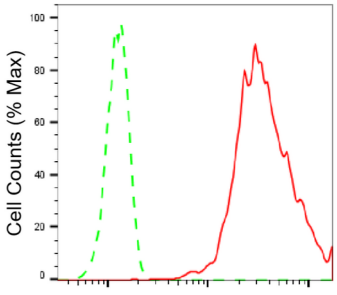
Western blotting analysis using ribosomal protein L13 antibody (KVAb01522). Ribosomal protein L13 expression in wild-type (WT) and ribosomal protein L13 (RPL13) knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with ribosomal protein L13 antibody (KVAb01522, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using ribosomal protein L13 antibody (KVAb01522). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with ribosomal protein L13 antibody (KVAb01522, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunohistochemistry was performed on paraffin-embedded human sigmoid colon carcinoma using ribosomal protein L13 antibody (KVAb01522, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



Ribosomal protein L13-Alexa Fluor® 647

Flow cytometric analysis of Ribosomal protein L13 expression in C2C12 cells using Ribosomal protein L13 antibody (KVAb01522, 1:2,000). Green, isotype control; red, Ribosomal protein L13.