

Product Name: KD-Validated PELP1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00945**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC,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; ICC 1:100-1:1,000; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 119.7kDa

Antigen Information

Gene Name	PELP1
Alternative Names	Proline, Glutamate And Leucine Rich Protein 1; MNAR; Modulator Of Non-Genomic Activity Of Estrogen Receptor; Proline-, Glutamic Acid- And Leucine-Rich Protein 1; Transcription Factor HMX3; Proline, Glutamic Acid And Leucine Rich Protein 1; Proline And Glutamic Acid Rich Nuclear Protein; P160; HMX3
Gene ID	27043.0
SwissProt ID	Q8IZL8
Immunogen	A synthesized peptide derived from human PELP1

Background

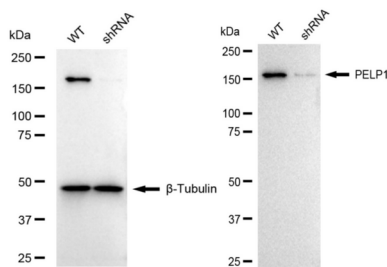
This gene encodes a transcription factor which coactivates transcription of estrogen receptor responsive genes and

corepresses genes activated by other hormone receptors or sequence-specific transcription factors. Expression of this gene is regulated by both members of the estrogen receptor family. This gene may be involved in the progression of several types of cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2013]

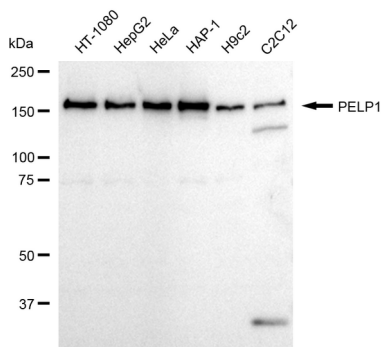
Research Area

Signal Transduction, Epigenetics and Nuclear Signaling

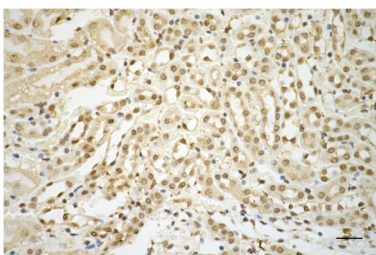
Image Data



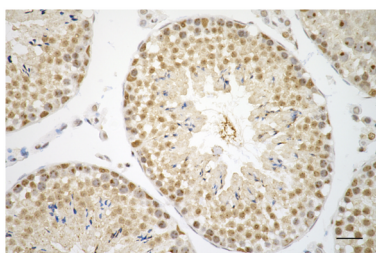
Western blotting analysis using PELP1 antibody (KVA00945). PELP1 expression in wild type (WT) and PELP1 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with PELP1 antibody (KVA00945, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



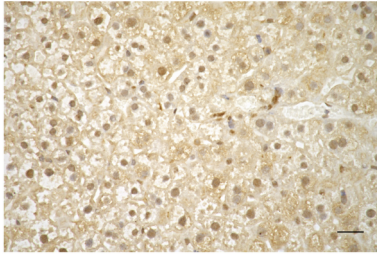
Western blotting analysis using PELP1 antibody (KVA00945). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with PELP1 antibody (KVA00945, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



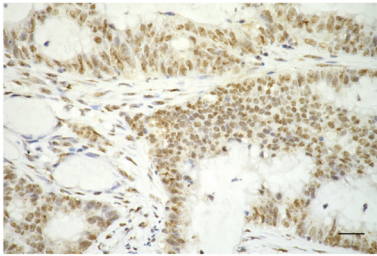
Immunohistochemistry was performed on paraffin-embedded mouse kidney using PELP1 antibody (KVA00945, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



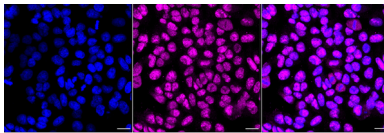
Immunohistochemistry was performed on paraffin-embedded mouse testis tissue using PELP1 antibody (KVA00945, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



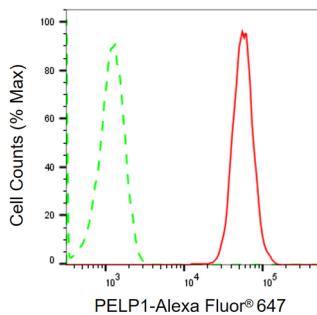
Immunohistochemistry was performed on paraffin-embedded mouse liver using PELP1 antibody (KVA00945, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 μ m.



Immunohistochemistry was performed on paraffin-embedded human sigmoid colon carcinoma using PELP1 antibody (KVA00945, 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 μ m.



Immunocytochemical staining of HAP-1 cells with PELP1 antibody (KVA00945, 1:1,000). Nuclei were stained blue with DAPI; PELP1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 μ m.



Flow cytometric analysis of PELP1 expression in HAP-1 cells using PELP1 antibody (KVA00945, 1:2,000). Green, isotype control; red, PELP1.