

Product Name: KD-Validated Exosome Component 7 Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA01540

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: 31.8kDa

Antigen Information

Gene Name	EXOSC7 EXOSC7; Exosome Component 7; RRP42; P8; KIAA0116; EAP1; Ribosomal RNA-Processing
Alternative Names	Protein 42; Exosome Complex Component RRP42; HRrp42p; Rrp42p; Exosome Complex Exonuclease RRP42; HRRP42P; RRP42P
Gene ID	23016.0
SwissProt ID	Q15024
Immunogen	A synthesized peptide derived from human EXOSC7

Background

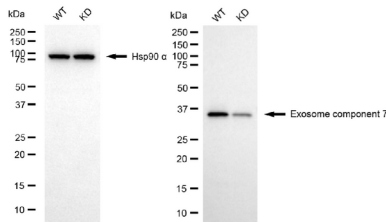
Predicted to enable mRNA 3'-UTR AU-rich region binding activity. Involved in RNA catabolic process and RNA processing.

Located in cytosol and nucleolus. Part of exosome (RNase complex). [provided by Alliance of Genome Resources, Jul 2025]

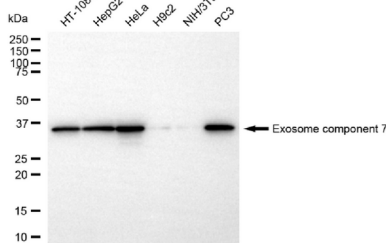
Research Area

Epigenetics and Nuclear Signaling

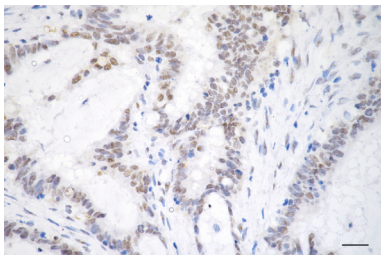
Image Data



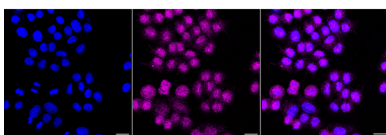
Western blotting analysis using exosome component 7 antibody (KVA01540). Exosome component 7 expression in wild-type (WT) and exosome component 7 (EXOSC7) knockdown (KD) HeLa cells with 10 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with exosome component 7 antibody (KVA01540, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



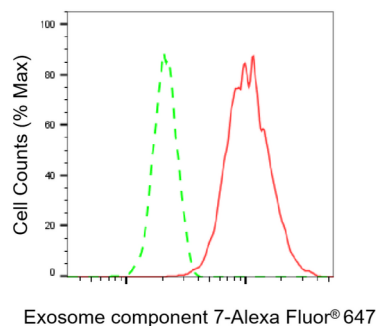
Western blotting analysis using exosome component 7 antibody (KVA01540). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with exosome component 7 antibody (KVA01540, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunohistochemistry was performed on paraffin-embedded human sigmoid colon carcinoma using exosome component 7 antibody (KVA01540, 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.



Immunocytochemical staining of HepG2 cells with Exosome component 7 antibody (KVA01540, 1:1,000). Nuclei were stained blue with DAPI; Exosome component 7 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Low. Scale bar, 20 µm.



Flow cytometric analysis of Exosome component 7 expression in HepG2 cells using Exosome component 7 antibody (KVA01540, 1:2,000). Green, isotype control; red, Exosome component 7.