

Product Name: KD-Validated ELP3 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01624**

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: 62.3kDa

Antigen Information

Gene Name	ELP3 ELP3; Elongator Acetyltransferase Complex Subunit 3; KAT9; TRNA Uridine(34)
Alternative Names	Acetyltransferase; Elongator Complex Protein 3; FLJ10422; Elongation Protein 3 Homolog (S. Cerevisiae); Protein Lysine Acetyltransferase ELP3; Elongation Protein 3 Homolog; EC 2.3.1.48; EC 2.3.1.-; HELP3
Gene ID	55140.0
SwissProt ID	Q9H9T3
Immunogen	A synthesized peptide derived from human KAT9 / Elp3

Background

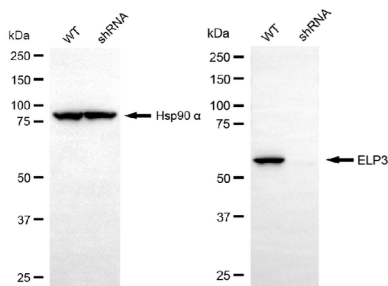
Enables acetyltransferase activity and phosphorylase kinase regulator activity. Involved in regulation of transcription by RNA

polymerase II and tRNA wobble uridine modification. Located in cytosol and nucleolus. Part of elongator holoenzyme complex.
[provided by Alliance of Genome Resources, Jul 2025]

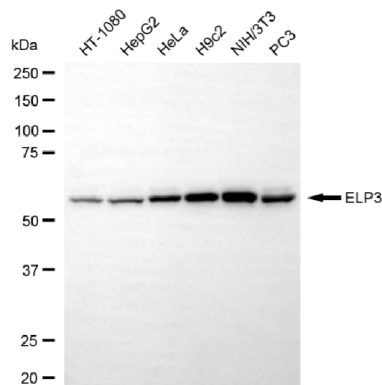
Research Area

Epigenetics and Nuclear Signaling

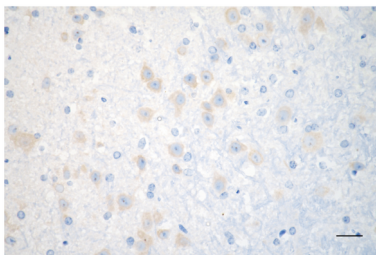
Image Data



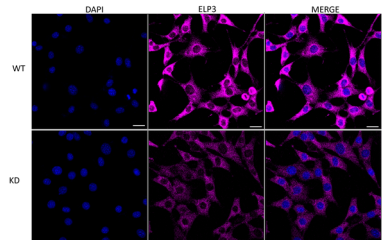
Western blotting analysis using ELP3 antibody (KVA01624). ELP3 expression in wild-type (WT) and ELP3 shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with ELP3 antibody (KVA01624, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



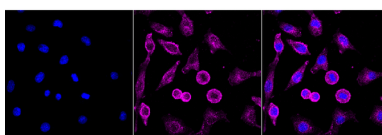
Western blotting analysis using ELP3 antibody (KVA01624). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with ELP3 antibody (KVA01624, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



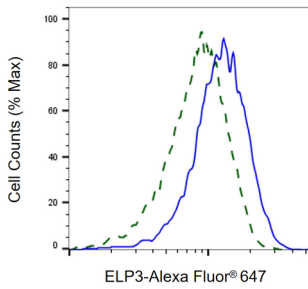
Immunohistochemistry was performed on paraffin-embedded mouse brain using ELP3 antibody (KVA01624, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



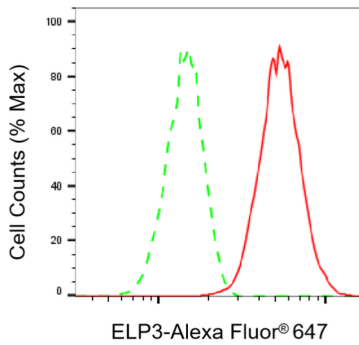
Immunocytochemical staining of HT-1080 cells using ELP3 antibody (KVA01624, 1:1,000). Top panel: wild-type (WT); Bottom panel: ELP3 shRNA knockdown (KD). Nuclei were stained blue with DAPI; ELP3 was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm.



Immunocytochemical staining of C2C12 cells with ELP3 antibody (KVA01624, 1:1,000). Nuclei were stained blue with DAPI; ELP3 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.



Validation of ELP3 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HT-1080 cells were stained with ELP3 antibody (KVA01624, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of ELP3 expression in C2C12 cells using ELP3 antibody (KVA01624, 1:2,000). Green, isotype control; red, ELP3.