
Product Name: KD-Validated ELP4 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01095**

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: 46.6kDa

Antigen Information

Gene Name	ELP4
Alternative Names	ELP4; Elongator Acetyltransferase Complex Subunit 4; PAXNEB; Elongator Complex Protein 4; PAX6 Neighbor Gene Protein; C11orf19; HELP4; Elongation Protein 4 Homolog (S. Cerevisiae); Chromosome 11 Open Reading Frame 19; Elongation Protein 4 Homolog; DJ68P15A.1; C11ORF19; PAX6NEB; AN2; AN
Gene ID	26610.0
SwissProt ID	Q96EB1
Immunogen	A synthesized peptide derived from human ELP4

Background

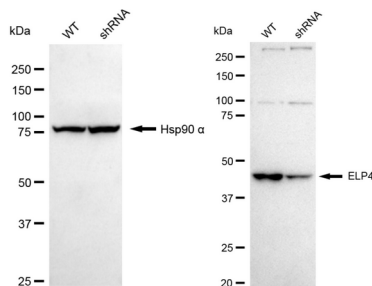
This gene encodes a component of the six subunit elongator complex, a histone acetyltransferase complex that associates

directly with RNA polymerase II during transcriptional elongation. The human gene can partially complement sensitivity phenotypes of yeast ELP4 deletion mutants. This gene has also been associated with Rolandic epilepsy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013]

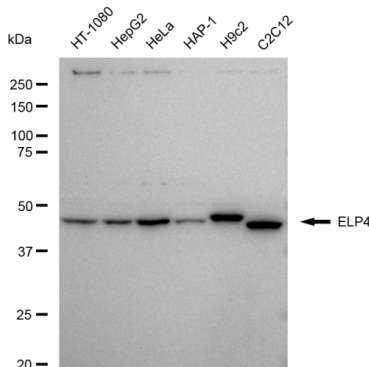
Research Area

Epigenetics and Nuclear Signaling

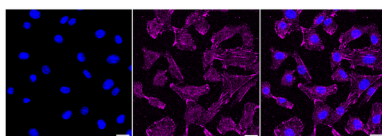
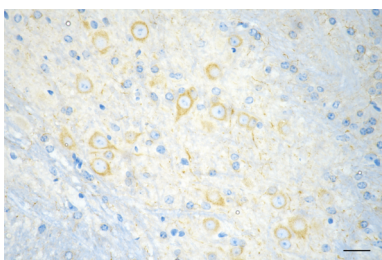
Image Data



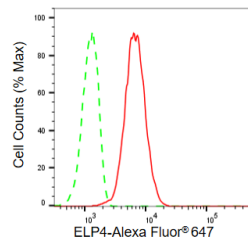
Western blotting analysis using ELP4 antibody (KVA01095). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with ELP4 antibody (KVA01095, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunohistochemistry was performed on paraffin-embedded mouse brain using ELP4 antibody (KVA01095, 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 ELP4 antibody (KVA01095, 1:1,000). Nuclei were stained blue with DAPI; ELP4 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 ELP4 expression in C2C12 cells using ELP4 antibody (KVA01095, 1:2,000). Green, isotype control; red, ELP4.