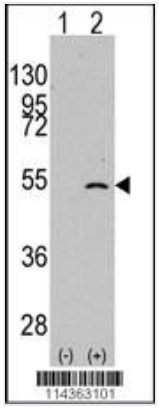
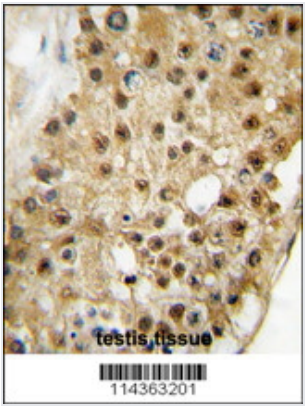
ELP3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ELP3, Polyclonal Antibody
Full Product Name	ELP3, CT (Elongator Complex Protein 3, EC 2.3.1.48, hELP3) (Biotin)
Product Gene Name	anti-ELP3 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Ammonium Sulfate Precipitation.
Specificity	Recognizes human ELP3.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	52,202 Da
OMIM	612722
3D Structure	ModBase 3D Structure for Q9H9T3
Immunogen	Synthetic peptide selected from the C-terminal region of human ELP3 (KLH).
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-ELP3 antibody	Antibodies; Proteins
Applications Tested/Suitable for anti-ELP3 antibody	Immunohistochemistry (IHC), ELISA (EIA), Western Blot (WB)
Application Notes for anti-ELP3 antibody	IHC: 1:10-1:50 ELISA: 1:1,000 WB: 1:50-1:100 Applications are based on unconjugated antibody.
Related Product Information for anti-ELP3 antibody	MBS6473741 is an antibody targeting ELP3. Also known as ELP3, CT (Elongator Complex Protein 3, EC 2.3.1.48, hELP3) (Biotin). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-ELP3 antibody	1. Han, Q., Acta Biochim. Biophys. Sin. (Shanghai) 39(6), 453-461 (2007). 2. Kim, J.H., Proc. Natl. Acad. Sci. USA 99(3), 1241-1246 (2002). 3. Ninomiya, Y., J. Biochem. 118(2), 380-389 (1995).
Other Notes	Small volumes of anti-ELP3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-ELP3 antibody
Western blot analysis of ELP3 (arrow) using rabbit polyclonal ELP3 Antibody (C-term).293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the ELP3 gene (Lane 2) (Origene Technologies).



Immunohistochemistry (IHC) of anti-ELP3 antibody
Formalin-fixed and paraffin-embedded human testis tissue reacted with ELP3 antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ELP3. It may not necessarily be applicable to this product.

NCBI GI #	23510283
NCBI GeneID	55140
NCBI Accession #	NP_060561
UniProt Primary Accession #	Q9H9T3
UniProt Secondary Accession #	Q53G84; Q6AWB0; Q9BVF7; Q9NVZ1; B4DE19; B4DIG1; E2QRI5
UniProt Related Accession #	Q9H9T3
GenBank Nucleotide #	NM_018091
NCBI Official Full Name	elongator complex protein 3 isoform 1
NCBI Official Synonym Full Names	elongator acetyltransferase complex subunit 3
NCBI Official Symbol	ELP3
NCBI Official Synonym Symbols	KAT9
UniProt Protein Name	Elongator complex protein 3
Protein Family	Elongator complex protein
UniProt Gene Name	ELP3
UniProt Synonym Gene Names	hELP3
UniProt Entry Name	ELP3_HUMAN
NCBI Protein Information	elongator complex protein 3; elongation protein 3 homolog

UniProt Comments for ELP3	ELP3: a histone acetyltransferase. A subunit of the Elongator complex, which associates with the elongating, hyperphosphorylated form of RNA polymerase II. Protein type: EC 2.3.1.48; Acetyltransferase Chromosomal Location of Human Ortholog: 8p21.1 Cellular Component: transcription elongation factor complex; Elongator holoenzyme complex; cytoplasm; nucleolus; histone acetyltransferase complex Molecular Function: protein binding; H4 histone acetyltransferase activity; metal ion binding; iron-sulfur cluster binding; phosphorylase kinase regulator activity; H3 histone acetyltransferase activity Biological Process: tRNA wobble uridine modification; regulation of transcription from RNA polymerase II promoter; establishment and/or maintenance of chromatin architecture; central nervous system development; RNA elongation from RNA polymerase II promoter; neuron migration; regulation of protein kinase activity; positive regulation of cell migration
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