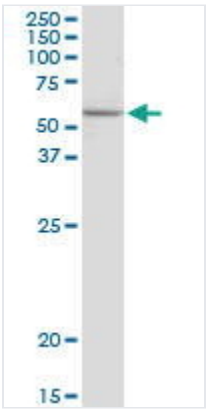
ELP3 Antibody – Rabbit Polyclonal

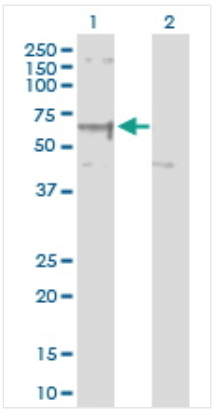
PRODUCT OVERVIEW

Product Name	ELP3, Polyclonal Antibody
Full Product Name	ELP3 (Elongator Complex Protein 3, hELP3, FLJ10422) (HRP)
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 Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
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 stor
Molecular Weight	52,202 Da
OMIM	612722
3D Structure	ModBase 3D Structure for Q9H9T3
Immunogen	Full length human ELP3, aa1-547 (NP_060561.3).
Immunogen Sequence	MRQKRKGDLSPAELMMLTIGDVIKQLIEAHEQGKDIDLNKVKTKTAAKYGLSAQPRLVDIIAAVPPQYRKVLMPKLKAKPIRTASGIAVVAVMCKPHRCPHIS
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-ELP3 antibody	Antibodies; Proteins
Applications Tested/Suitable for anti-ELP3 antibody	Western Blot (WB)
Application Notes for anti-ELP3 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-ELP3 antibody	Elongator complex protein 3 (ELP3) is a catalytic histone acetyltransferase subunit of the RNA polymerase II elongator complex, which is a component
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 necessa

Searchable Terms for ELP3 purchase	MBS6377298 is an antibody targeting ELP3. Also known as ELP3 (Elongator Complex Protein 3, hELP3, FLJ10422) (HRP). Reactive in Human. Host:



Western Blot (WB) of anti-ELP3 antibody
ELP3 rabbit polyclonal antibody. Western Blot analysis of ELP3 expression in A-431.



Western Blot (WB) of anti-ELP3 antibody
Western Blot analysis of ELP3 expression in transfected 293T cell line by ELP3 polyclonal antibody. Lane 1: ELP3 transfected lysate (62.3kD). Lane 2: Non-transfected lysate.

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_060561.3
UniProt Primary Accession #	Q9H9T3
UniProt Secondary Accession #	Q53G84; Q6AWB0; Q9BVF7; Q9NVZ1; B4DE19; B4DIG1; E2QRI5
UniProt Related Accession #	Q9H9T3
GenBank Nucleotide #	NM_018091.3
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
NCBI Summary for ELP3	ELP3 is the catalytic subunit of the histone acetyltransferase elongator complex, which contributes to transcript elongation and also regulates the maturation of projection neurons (Creppe et al., 2009 [PubMed 19185337]).[supplied by OMIM, Apr 2009]

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
Research Articles on ELP3	**1.** Regulation of G6PD acetylation by SIRT2 and KAT9 modulates NADPH homeostasis and cell survival during oxidative stress.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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