ELP3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ELP3, Polyclonal Antibody
Full Product Name	ELP3 (Elongator Complex Protein 3, hELP3, FLJ10422) (MaxLight 550)
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 MaxLight550.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human ELP3.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
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	MaxLight550
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	MBS6377301 is an antibody targeting ELP3. Also known as ELP3 (Elongator Complex Protein 3, hELP3, FLJ10422) (MaxLight 550). Reactive in Huma

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.

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