Datasheet for ABIN389412

anti-ELP2 antibody (C-Term)

3 Images

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Overview

Quantity:	400 µL
Target:	ELP2
Binding Specificity:	AA 737-765, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ELP2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Immunogen:	This ELP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 737-765 amino acids from the C-terminal region of human ELP2.
Clone:	RB18010
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	ELP2
Alternative Name:	ELP2 (ELP2 Products)

Target Details

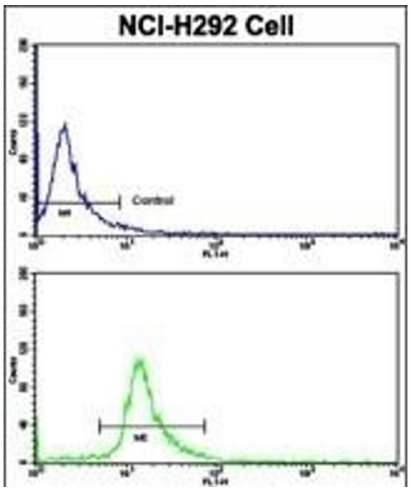
Background:	ELP2 regulates the ligand-dependent activation of STAT3. The protein acts as subunit of the RNA polymerase II elongator complex, which is a histone acetyltransferase component of the RNA polymerase II (Pol II) holoenzyme and is involved in transcriptional elongation. Elongator may play a role in chromatin remodeling and is involved in acetylation of histones H3 and probably H4.
Molecular Weight:	92500
Gene ID:	55250
NCBI Accession:	NP_001229804, NP_001229805, NP_001229806, NP_001229807, NP_001229808, NP_060725
UniProt:	Q6IA86
Pathways:	Stem Cell Maintenance, Positive Regulation of Endopeptidase Activity, Protein targeting to Nucleus

Application Details

Application Notes:	IF: 1:100. WB: 1:1000. FC: 1:10~50
Restrictions:	For Research Use only

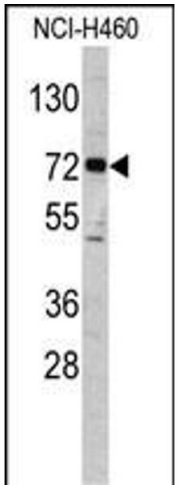
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



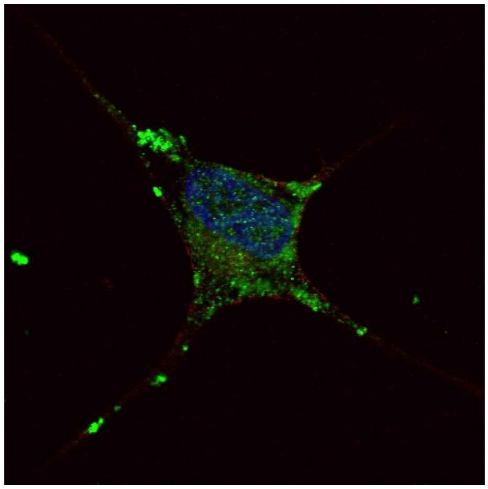
Flow Cytometry

Image 1. Flow cytometric analysis of NCI- cells using ELP2 Antibody (C-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. Western blot analysis of ELP2 antibody (C-term) (ABIN389412 and ABIN2839499) in NCI- cell line lysates (35 µg/lane). ELP2 (arrow) was detected using the purified Pab.



Immunofluorescence

Image 3. Fluorescent confocal image of SY5Y cells stained with ELP2 (C-term) antibody. SY5Y cells were fixed with 4 % PFA (20 min), permeabilized with Triton X-100 (0.2 %, 30 min). Cells were then incubated with (ABIN389412 and ABIN2839499) ELP2 (C-term) primary antibody (1:100, 2 h at room temperature). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:1000, 1h). Nuclei were counterstained with Hoechst 33342 (blue) (10 µg/mL, 5 min). Note the highly specific localization of the ELP2 immunosignal mainly to the cytoplasm, supported by Human Protein Atlas Data (http://www.proteinatlas.org/ENSG00000134759).