

Rabbit anti-Human ELP2 Polyclonal Antibody | anti-ELP2 antibody

ELP2 Antibody (C-term)

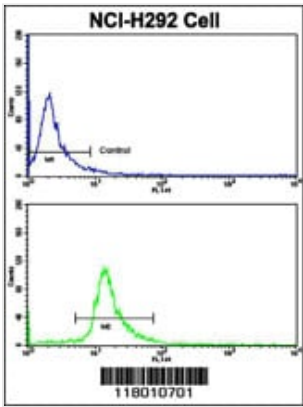
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285262	Rabbit	Human	Flow Cytometry, Functional Assay, Western Blot, ELISA, Immunofluorescence

PRODUCT SYNONYMS

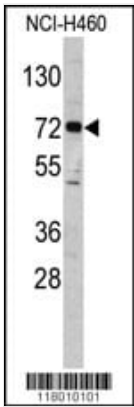
ELP2; Polyclonal Antibody; ELP2 Antibody (C-term); Elongator complex protein 2; SHINC-2; STAT3-interacting protein 1; StIP1; STATIP1; anti-ELP2 antibody

PRODUCT SPECIFICATIONS

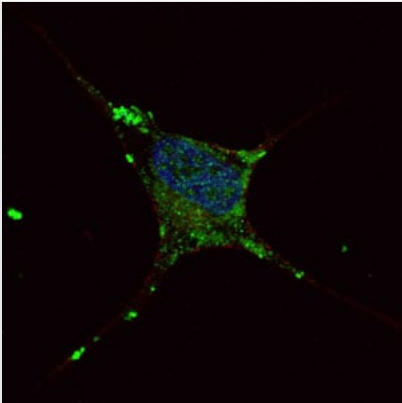
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ELP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 737-765 amino acids from the C-terminal region of human ELP2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Sequence Positions	737-765
Sequence Length	756
Applicable Applications for anti-ELP2 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA, IF (Immunofluorescence)
Function	Regulates the ligand-dependent activation of STAT3.
Cellular Location	Cytoplasm. Nucleus.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of NCI-H292 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.



WB (Western Blot)
Western blot analysis of ELP2 antibody (C-term) in NCI-H460 cell line lysates (35ug/lane). ELP2 (arrow) was detected using the purified Pab.



IF (Immunofluorescence)
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 AAA285262 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 ug/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>).

ADDITIONAL INFORMATION

Related Product Information for anti-ELP2 antibody	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.
Product Categories/Family for anti-ELP2 antibody	Signal Transduction
References	References for protein: 1.Kim,J.H., Proc. Natl. Acad. Sci. U.S.A. 99 (3), 1241-1246 (2002) 2.Hawkes,N.A., J. Biol. Chem. 277 (4), 3047-3052 (2002) References for SY5Y (SH-SY5Y; #CRL-2266): 1. Ross RA, et al. Coordinate morphological and biochemical interconversion of human neuroblastoma cells. J. Natl. Cancer Inst. 71: 741-749, 1983. [PubMed: 6137586]; 2. Biedler JL, et al. Multiple neurotransmitter synthesis by human neuroblastoma cell lines and clones. Cancer Res. 38: 3751-3757, 1978. [PubMed: 29704].

NCBI AND UNIPROT INFORMATION

NCBI GI #	338968885
NCBI GeneID	55250
NCBI Accession #	NP_001229804.1; NP_001229805.1; NP_001229806.1; NP_001229807.1; NP_001229808.1; NP_060725.1
NCBI GenBank Nucleotide #	NM_001242875.1
UniProt Accession #	Q6IA86; Q53GZ0; Q687Y8; Q8N5C2; Q96GV4; Q96PI7; Q9H9N0; A8KAI6; B4DTG0; B4DXP0; E7EP23; E9PCX0
Molecular Weight	92500
NCBI Official Full Name	elongator complex protein 2 isoform 1
NCBI Official Synonym Full Names	elongator acetyltransferase complex subunit 2
NCBI Official Symbol	ELP2
NCBI Official Synonym Symbols	StIP; SHINC-2; STATIP1
NCBI Protein Information	elongator complex protein 2
UniProt Protein Name	Elongator complex protein 2
UniProt Gene Name	ELP2
UniProt Synonym Gene Names	STATIP1; ELP2; StIP1
UniProt Entry Name	ELP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/elp2-antibody-flow-cytometry-western-blot-immunofluorescence-elisa/285262>