10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ELP2 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP2884b

Specification

ELP2 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q6IA86

ELP2 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 55250

Other Names
Elongator complex protein 2, ELP2, SHINC-2, STAT3-interacting protein 1, StIP1, ELP2, STATIP1

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP2884b was selected from the C-term region of human ELP2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ELP2 Antibody (C-term) Blocking Peptide - Protein Information

Name ELP2

Synonyms STATIP1

Function
Component of the elongator complex which is required for multiple tRNA modifications, including mcm5U (5-methoxycarbonylmethyl uridine), mcm5s2U (5-methoxycarbonylmethyl-2-thiouridine), and ncm5U (5-carbamoylmethyl uridine) (PubMed:29332244). The elongator complex catalyzes the formation of carboxymethyluridine in the wobble base at position 34 in tRNAs (PubMed:29332244).

Cellular Location
Cytoplasm. Nucleus

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ELP2 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

ELP2 Antibody (C-term) Blocking Peptide - Images

ELP2 Antibody (C-term) Blocking Peptide - 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.

ELP2 Antibody (C-term) Blocking Peptide - References

Kim,J.H., Proc. Natl. Acad. Sci. U.S.A. 99 (3), 1241-1246 (2002)Hawkes,N.A., J. Biol. Chem. 277 (4), 3047-3052 (2002)