



Elongin A1 Polyclonal Antibody

Catalog No	YP-Ab-00385
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	TCEB3
Immunogen	The antiserum was produced against synthesized peptide derived from human TCEB3. AA range:131-180
Specificity	Elongin A1 Polyclonal Antibody detects endogenous levels of Elongin A1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/5000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	SIII;MSTP059;Elongin-A;Elongin A;Elongin 110 kDa subunit;Elongin A1;TCEB3; Transcription elongation factor B polypeptide 3;EloA;RNA polymerase II transcription factor SIII subunit A1;SIII p110
Observed Band	87kD
Calculated Molecular Weight	87kD
Cell Pathway	Nucleus .
Tissue Specificity	Epithelium,Heart,Lung,Umbilical vein,
Function	domain:The elongin BC complex binding domain is also known as BC-box with the consensus [APST]-L-x(3)-C-x(3)-[AILV]..function:SIII, also known as elongin, is a general transcription elongation factor that increases the RNA polymerase II transcription elongation past template-encoded arresting sites. Subunit A is transcriptionally active and its transcription activity is strongly enhanced by binding to the dimeric complex of the SIII regulatory subunits B and C (elongin BC complex)..similarity:Contains 1 F-box domain..similarity:Contains 1 TFIIS N-terminal domain..subunit:Heterotrimer of an A (A1, A2 or A3), B and C subunit. The C subunit mediates the binding of the elongin BC complex to subunit A.,



Background

This gene encodes the protein elongin A, which is a subunit of the transcription factor B (SIII) complex. The SIII complex is composed of elongins A/A2, B and C. It activates elongation by RNA polymerase II by suppressing transient pausing of the polymerase at many sites within transcription units. Elongin A functions as the transcriptionally active component of the SIII complex, whereas elongins B and C are regulatory subunits. Elongin A2 is specifically expressed in the testis, and capable of forming a stable complex with elongins B and C. The von Hippel-Lindau tumor suppressor protein binds to elongins B and C, and thereby inhibits transcription elongation. [provided by RefSeq, Jul 2008],

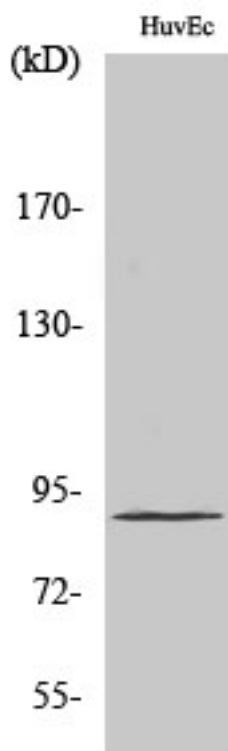
matters needing attention

Avoid repeated freezing and thawing!

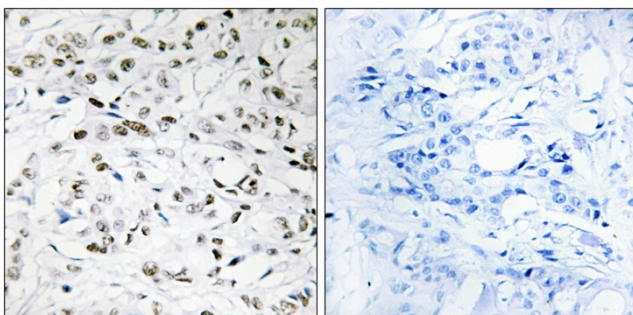
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

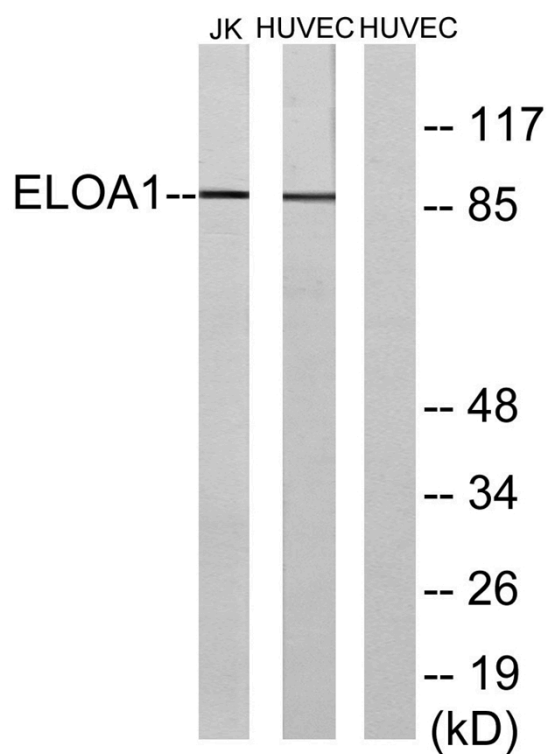
Products Images



Western Blot analysis of various cells using Elongin A1 Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using ELOA1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HUVEC cells and Jurkat cells, using ELOA1 Antibody. The lane on the right is blocked with the synthesized peptide.