

Elongin A1 Polyclonal Antibody

Catalog No :	YT1532
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	Elongin A1
Gene Name :	TCEB3
Protein Name :	Transcription elongation factor B polypeptide 3
Human Gene Id :	6924
Human Swiss Prot No :	Q14241
Mouse Gene Id :	27224
Mouse Swiss Prot No :	Q8CB77
Rat Swiss Prot No :	Q63187
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
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 87kD

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],

Function :

domain:The elongin BC complex binding domain is also known as BC-box with the consensus [APST]-L-x(3)-C-x(3)-[AIV].,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.,

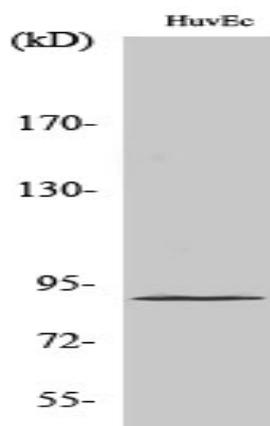
Subcellular Location :

Nucleus .

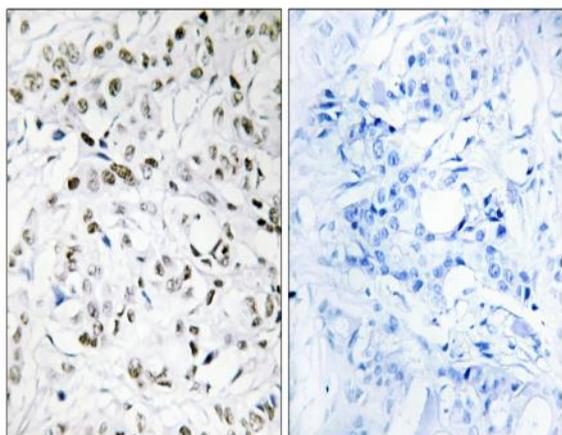
Expression :

Epithelium,Heart,Lung,Umbilical vein,

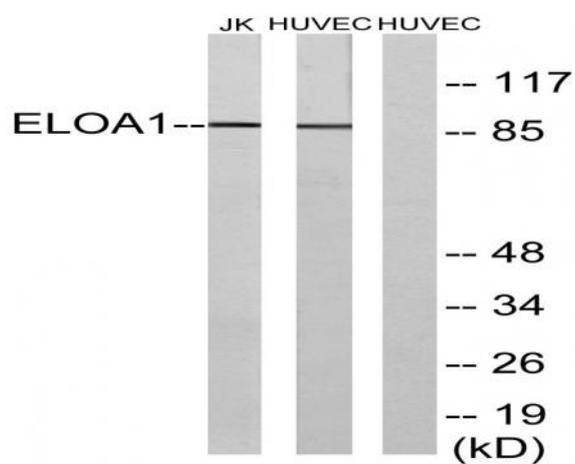
Products Images



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.