



Rabbit Anti-ELYS antibody

SL9880R

Product Name:	ELYS
Chinese Name:	转录因子ELYS蛋白抗体
Alias:	ahctf1; AT hook containing transcription factor 1; DKFZp434N093; ELYS; AT-hook-containing transcription factor 1; ELYS transcription factor like protein TMBS62; ELYS_HUMAN; Embryonic large molecule derived from yolk sac; MST108; MSTP108; Protein ELYS; Protein MEL-28; Putative AT-hook-containing transcription factor 1; TMBS62.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	252kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ELYS:451-550/2266
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	ELYS is a protein of the nuclear matrix that contains one AT hook DNA-binding domain. ELYS is a dual nucleoporin/kinetochore protein required for nuclear pore assembly and proper cell division. Nuclear pores span the nuclear envelope and act as

gated aqueous channels to regulate the transport of macromolecules between the nucleus and cytoplasm, from individual proteins and RNAs to entire viral genomes. The A.T. hook near the C-terminus of likely indicates ELYS can function as a transcription factor which may play a specific role in hematopoietic tissues. It also may play a role in early embryo development, as ELYS is critical for the survival of inner cells of the blastocyst.

Function:

Required for the assembly of a functional nuclear pore complex (NPC) on the surface of chromosomes as nuclei form at the end of mitosis. May initiate NPC assembly by binding to chromatin and recruiting the Nup107-160 subcomplex of the NPC. Also required for the localization of the Nup107-160 subcomplex of the NPC to the kinetochore during mitosis and for the completion of cytokinesis.

Subunit:

Associates with the Nup107-160 subcomplex of the NPC.

Subcellular Location:

Cytoplasm. Nucleus matrix. Chromosome; centromere; kinetochore. Nucleus; nucleoplasm. Nucleus; nuclear pore complex. Localizes to the nuclear pore complex (NPC) throughout interphase. Localizes to the kinetochore from prophase, and this appears to require the Nup107-160 subcomplex of the NPC. Localizes to the periphery of chromatin from late anaphase.

Similarity:

Belongs to the ELYS family.
Contains 1 A.T hook DNA-binding domain.

SWISS:

Q8WYP5

Gene ID:

25909

Database links:

[Entrez Gene: 25909](#)Human

[Omim: 610853](#)Human

[SwissProt: Q8IZA4](#)Human

[SwissProt: Q8WYP5](#)Human

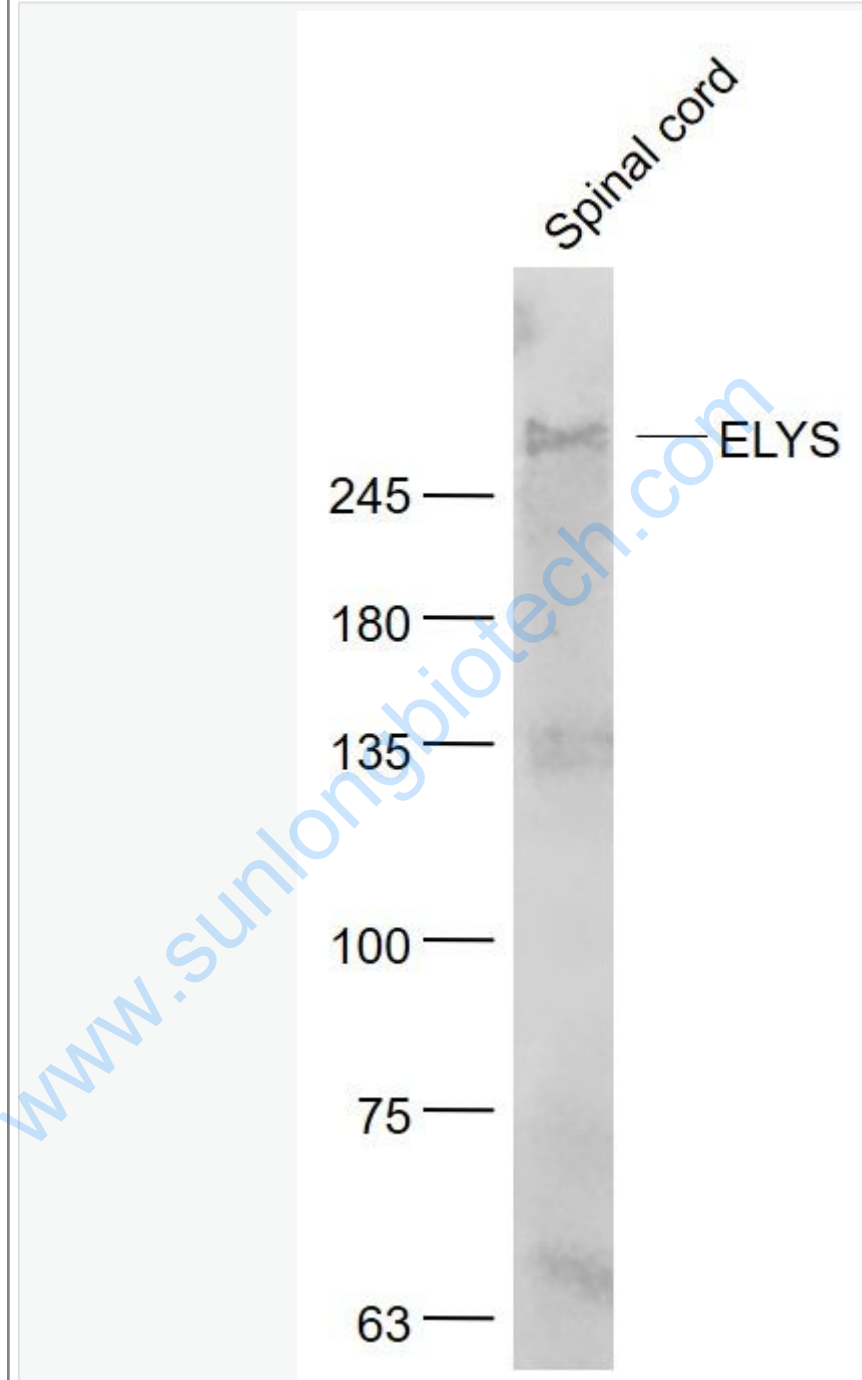
[Unigene: 300887](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

Picture:



Sample:

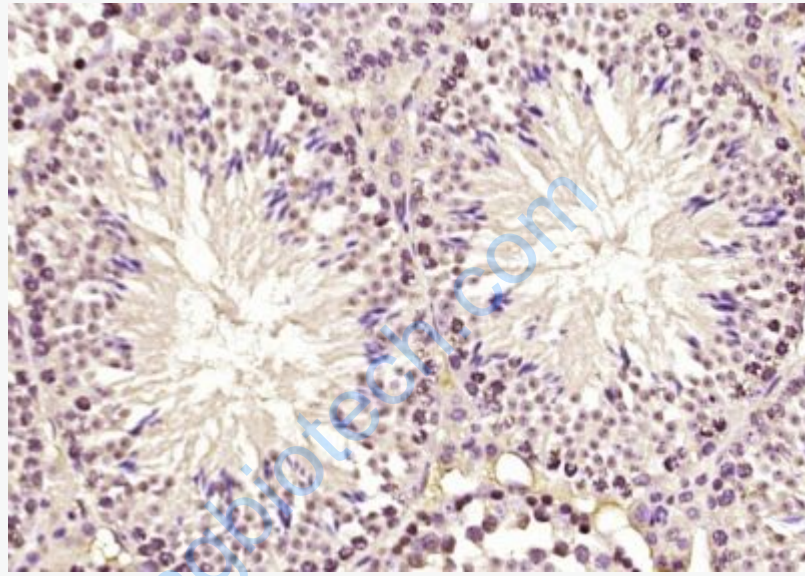
Spinal cord (Mouse) Lysate at 40 ug

Primary: Anti- ELYS (SL9880R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 252 kD

Observed band size: 252 kD



Paraformaldehyde-fixed, paraffin embedded (mouse testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Elys) Polyclonal Antibody, Unconjugated (SL9880R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.