

ELYS Rabbit pAb

Catalog # AP96309

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q8IZA4
Other Accession	Q8IZA4
Reactivity	Mouse
Predicted	Rat, Pig, Human, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	252 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ELYS
Epitope Specificity	451-550/2266
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
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.
SUBUNIT	Associates with the Nup107-160 subcomplex of the NPC.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	25909
Other Names	ELYS; MST108; MSTP108; TMBS62; Q8IZA4_HUMAN; ELYS_HUMAN; AHCTF1; Embryonic large molecule derived from yolk sac; Protein MEL-28; Putative AT-hook-containing transcription factor 1; AT-hook containing transcription factor 1; AT hook containing transcription factor 1; ELYS transcription factor like protein TMBS62

Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	ELYS Rabbit pAb
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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.