

Anti-LAP2A antibody



Description	Unconjugated Rabbit polyclonal to LAP2A
Model	STJ192085
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, WB
Gene ID	7112
Gene Symbol	TMPO
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	LAP2A Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Expressed in many tissues. Most abundant in adult thymus and fetal liver.
Purification	LAP2A antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Lamina-associated polypeptide 2, isoform alpha Thymopoietin isoform alpha TP alpha Thymopoietin-related peptide isoform alpha TPRP isoform alpha Thymopoietin TP Splenin Thymopentin TP5
Molecular Weight	76 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG

Formulation	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:11875OMIM:188380
Alternative Names	Lamina-associated polypeptide 2, isoform alpha Thymopoietin isoform alpha TP alpha Thymopoietin-related peptide isoform alpha TPRP isoform alpha Thymopoietin TP Splenin Thymopentin TP5
Function	May help direct the assembly of the nuclear lamina and thereby help maintain the structural organization of the nuclear envelope. Possible receptor for attachment of lamin filaments to the inner nuclear membrane. May be involved in the control of initiation of DNA replication through its interaction with NAKAP95.; Thymopoietin (TP) and Thymopentin (TP5) may play a role in T-cell development and function. TP5 is an immunomodulating pentapeptide.
Sequence and Domain Family	Has two structurally independent, non-interacting domains: LEM-like (also called LAP2-N or LEM-D) and LEM (also called LAP2-C or LEM-B). LEM-like binds DNA while LEM interacts with BANF1.
Cellular Localization	Nucleus inner membrane. Single-pass type II membrane protein. Tightly associated with the nuclear lamina.. Isoform Zeta: Cytoplasm
Post-translational Modifications	Mitosis-specific phosphorylation specifically abolishes its binding to lamin B and chromosomes. Citrullinated by PADI4.

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