



LAP2B Polyclonal Antibody

Catalog No	YP-Ab-06847
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	TMPO LAP2
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	LAP2B Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, 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 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	LAP2;TMPO;Lamina-associated polypeptide 2;isoforms beta/gamma; Thymopoietin-related peptide isoforms beta/gamma;Thymopoietin isoform alpha; LAP2B;TMPO LAP2;isoforms beta/gamma (Thymopoietin;isoforms beta/gamma) (TP beta/gamma) (Thymopoietin-related peptide isoforms beta/gamma) (TPRP isoforms beta/gamma) [Cleaved into: Th
Observed Band	75 kDa, 51 kDa and 39 kDa
Calculated Molecular Weight	51 kDa
Cell Pathway	Nucleus inner membrane; Single-pass type II membrane protein. Tightly associated with the nuclear lamina.; [Isoform Zeta]: Cytoplasm .
Tissue Specificity	Expressed in many tissues. Most abundant in adult thymus and fetal liver.
Function	alternative products:Additional isoforms seem to exist,domain: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.,function:May be involved in the structural organization of the nucleus and in the post-mitotic nuclear assembly. Play an important role, together with LMNA, in the nuclear anchorage of RB1., 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.,function:TP and TP5 may play a role in T-cell development and function. TP5 is an immunomodulating pentapeptide.,pharmaceutical:TP5 is a

Background

alternative products:Additional isoforms seem to exist,domain: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.,function:May be involved in the structural organization of the nucleus and in the post-mitotic nuclear assembly. Play an important role, together with LMNA, in the nuclear anchorage of RB1.,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.,function:TP and TP5 may play a role in T-cell development and function. TP5 is an immunomodulating pentapeptide.,pharmaceutical:TP5 is available under the names Timunox (Cilag), Sintomodulina (ItaloFarmaco) and Mepentil (Recordati). Used in primary and secondary immune deficiencies, autoimmunity, infections and cancer.,PTM:Mitosis-specific phosphorylation specifically abolishes its binding to lamin B and chromosomes.,PTM:Phosphorylated in a mitose-specific manner.,similarity:Belongs to the LEM family.,similarity:Contains 1 LEM domain.,similarity:Contains 1 LEM-like domain.,subcellular location:Expressed diffusely throughout the nucleus.,subcellular location:Tightly associated with the nuclear lamina.,subunit:Interacts with LMNA, BANF1 and RB1 and with chromosomes. Associates directly or indirectly with lamins at specific cell-cycle stages.,subunit:Interacts with LMNB1, LMNB2, BANF1, NAKAP95, GMCL and chromosomes.,tissue specificity:Expressed in many tissues. Most abundant in adult thymus and fetal liver.,

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