LAP2B Polyclonal Antibody

Cat No: HR1AP12039

For research use only

Overview

Product Name	LAP2B Polyclonal Antibody
Source	Rabbit
Applications	WB,ELISA
Species Reactivity	Human,Mouse
Recommended Dilutions	
Immunogen	
Species	Rabbit
Storage	-20°C/1 year
Isotype	
Clonality	
Concentration	1 mg/ml
Observed band	49kDa
GeneID?Human?	TMPO LAP2
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	
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.,