

## LAP2B Rabbit pAb

CatalogNo: YN1982

### Key Features

**Host Species**

- Rabbit

**Reactivity**

- Human, Mouse

**Applications**

- WB, ELISA

**MW**

- 49kD (Observed)

**Isotype**

- IgG

### Recommended Dilution Ratios

**WB 1:500-2000****ELISA 1:5000-20000**

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized peptide derived from part region of human protein**Specificity** LAP2B Polyclonal Antibody detects endogenous levels of protein.

### Target Information

**Gene name** TMPO LAP2

**Protein Name** Lamina-associated polypeptide 2, isoforms beta/gamma (Thymopoietin, isoforms beta/gamma) (TP beta/gamma) (Thymopoietin-related peptide isoforms beta/gamma) (TPRP isoforms beta/gamma) [Cleaved into: Thymopoietin (TP) (Splenin); Thymopentin (TP5)]

Organism	Gene ID	UniProt ID
Human	<a href="#">7112;</a>	<a href="#">P42167;</a>
Mouse		<a href="#">Q61029;</a>

**Cellular Localization** 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 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.,

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## | Validation Data

## | Contact information

Orders: [order@immunoway.com](mailto:order@immunoway.com)  
Support: [tech@immunoway.com](mailto:tech@immunoway.com)  
Telephone: 877-594-3616 (Toll Free), 408-747-0185  
Website: <http://www.immunoway.com>  
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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