

Rabbit LAP2 alpha Polyclonal Antibody | anti-TMPO antibody

LAP2 alpha Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31180	Rabbit	Human, Mouse, Rat	ELISA

PRODUCT SYNONYMS

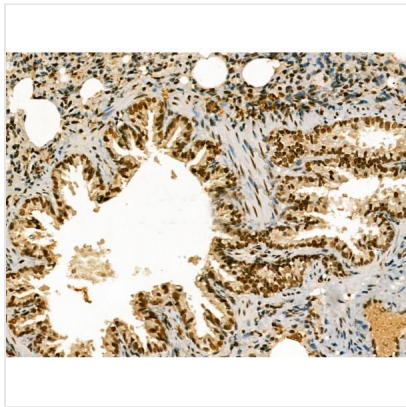
LAP2 alpha; Polyclonal Antibody; LAP2 alpha Antibody; Isoforms beta/gamma; Lamina associated polypeptide 2; LAP2; Thymopoietin; Thymopoietin isoform alpha; TMPO; TP alpha; anti-TMPO antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	LAP2 alpha Antibody detects endogenous levels of total LAP2 alpha.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	694
Applicable Applications for anti-TMPO antibody	ELISA
Application Notes	WB: 1:500-1:2000 IF: 1:100-1:500 ICC: 1:100-1:500 IHC: 1:50-1:200 ELISA(peptide): 1:20,000-1:40,000
Immunogen	A synthesized peptide derived from human LAP2 alpha, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



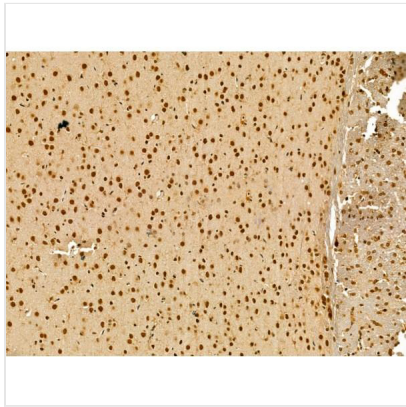
IHC (Immunohistochemistry-Paraffin)
AAA31180 at 1/100 staining Rat spleen tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



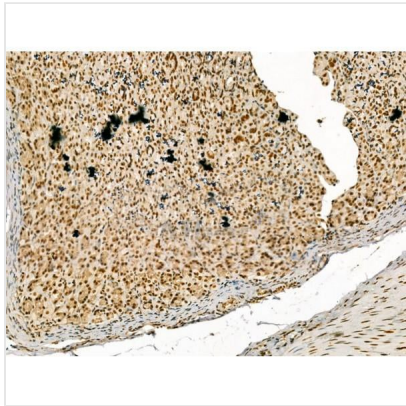
IHC (Immunohistochemistry-Paraffin)
AAA31180 at 1/100 staining Rat lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



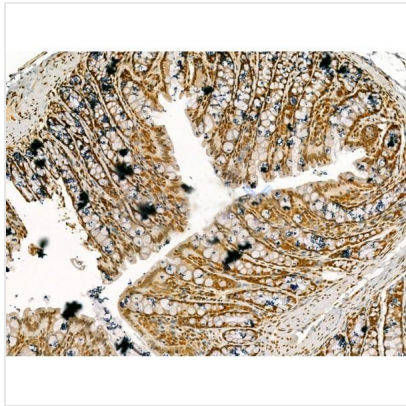
IHC (Immunohistochemistry-Paraffin)
AAA31180 at 1/100 staining Rat kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)
AAA31180 at 1/100 staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)
AAA31180 at 1/100 staining Rat stomach tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)
AAA31180 at 1/100 staining Rat colorectal tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-TMPO antibody	Function: May be involved in the structural organization of the nucleus and in the post-mitotic nuclear assembly. Plays an important role, together with LMNA, in the nuclear anchorage of RB1.TP and TP5 may play a role in T-cell development and function. TP5 is an immunomodulating pentapeptide. Post Translational Modifications: Phosphorylated in a mitose-specific manner. Subcellular Location: Nucleus. Chromosome. Note: Expressed diffusely throughout the nucleus. Tissue Specificity: Expressed in many tissues. Most abundant in adult thymus and fetal liver. Subunit Structure: Interacts with LMNA, BANF1 and RB1 and with chromosomes. Associates directly or indirectly with lamins at specific cell-cycle stages. Interacts with CMTM6 (PubMed:28813417). Similarity: The N-terminal part contains 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.The C-terminal domain forms a four-stranded coiled coil.Belongs to the LEM family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507555
NCBI GeneID	7112
NCBI Accession #	NP_003267
NCBI GenBank Nucleotide #	NP_003267.1
UniProt Accession #	P42166; P42167
Molecular Weight	Observed Molecular Weight: (Observed)75kD. Predicted Molecular Weight: (Calculated)75kDa.
NCBI Official Full Name	thymopoietin isoform alpha
NCBI Official Synonym Full Names	thymopoietin
NCBI Official Symbol	TMPO
NCBI Official Synonym Symbols	TP; LAP2; CMD1T; LEMD4; PRO0868
NCBI Protein Information	thymopoietin
UniProt Protein Name	Lamina-associated polypeptide 2, isoform alpha
UniProt Gene Name	TMPO
UniProt Synonym Gene Names	LAP2; TP alpha; TPRP isoform alpha; TP
UniProt Entry Name	LAP2A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.