

Rabbit TMPO Polyclonal Antibody | anti-TMPO antibody

TMPO Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326743	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

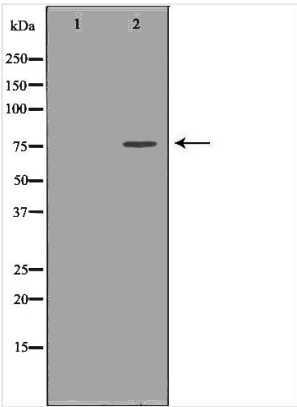
PRODUCT SYNONYMS

TMPO; Polyclonal Antibody; TMPO Antibody; Lamina associated polypeptide 2; LAP 2; LEM domain containing 4; LEMD4; Thymopoietin; Thymopoietin isoform alpha; Thymopoietin related peptide isoform alpha; Thymopoietin related peptide isoforms beta/gamma; isoforms beta/gamma; TP alpha; TP; TP beta/gamma; TPRP isoform alpha; TPRP isoforms beta/gamma; anti-TMPO antibody

PRODUCT SPECIFICATIONS

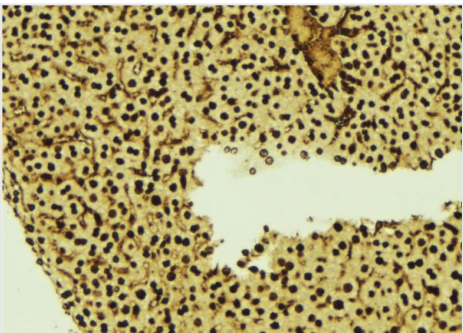
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	TMPO antibody detects endogenous levels of total TMPO
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	454
Applicable Applications for anti-TMPO antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human TMPO
Subcellular Location	Nucleus
Tissue Specificity	Expressed in many tissues. Most abundant in adult thymus and fetal liver.
Predicted Cross Reactivity	Pig, Bovine, Horse, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of Hepg2 whole cell lysates, using TMPO Antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA326743 at 1/100 staining Mouse liver 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 antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-TMPO antibody

Description: The protein encoded by this gene resides in the nucleus and may play a role in the assembly of the nuclear lamina, and thus help maintain the structural organization of the nuclear envelope. It may function as a receptor for the attachment of lamin filaments to the inner nuclear membrane. Mutations in this gene are associated with dilated cardiomyopathy. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.

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.

Subunit Structure: Interacts with LMNB1, LMNB2, BANF1, AKAP8L, GMCL and chromosomes (By similarity).

Isoform Zeta interacts with BANF1/BAF and may sequester it in the cytoplasm.

Post-translational Modifications: Mitosis-specific phosphorylation specifically abolishes its binding to lamin B and chromosomes. Citrullinated by PADI4.

Similarity: 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. Belongs to the LEM family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	73760405
NCBI GeneID	7112
NCBI Accession #	NP_001027454.1
NCBI GenBank Nucleotide #	NM_001032283.2
UniProt Accession #	P42167; Q14861; A2T926; P42166
Molecular Weight	Observed: 75 kDa Predicted: 51 kDa
NCBI Official Full Name	thymopoietin isoform beta
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, isoforms beta/gamma

UniProt Gene Name	TMPO
UniProt Synonym Gene Names	LAP2; TP beta/gamma; TPRP isoforms beta/gamma; TP

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/tmpo-antibody-immunohistochemistry-western-blot-elisa/326743>