

Rabbit anti-Human, Mouse Thymopoietin Polyclonal Antibody | anti-TMPO antibody

Thymopoietin Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39270	Rabbit	Human, Mouse	Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

Thymopoietin; Polyclonal Antibody; Thymopoietin Antibody; TP; LAP2; CMD1T; LEMD4; PRO0868; Lamina-associated polypeptide 2; isoform alpha; Thymopoietin isoform alpha; TP alpha; thymopoietin; anti-TMPO antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	At least three isoforms of Thymopoietin are known to exist; this antibody will detect all isoforms. Thymopoietin antibody is predicted to not cross-react with other LEM domain-containing proteins.
Purity/Purification	Thymopoietin Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	694
Applicable Applications for anti-TMPO antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	Thymopoietin antibody was raised against a 19 amino acid synthetic peptide near the amino terminus of human Thymopoietin.
Buffer	Thymopoietin Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Thymopoietin antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IF (Immunofluorescence)

Immunofluorescence of Thymopoietin in HeLa cells with Thymopoietin antibody at 5 µg/mL.



ICC (Immunocytochemistry)

Immunocytochemistry of Thymopoietin in HeLa cells with Thymopoietin antibody at 2.5 µg/mL.



WB (Western Blot)

Western blot analysis of Thymopoietin in HeLa cell lysate with Thymopoietin antibody at 0.25 μg/mL in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-TMPO antibody	Thymopoietin Antibody: Thymopoietin (TMPO), also known as LAP2, is a widely expressed lem-domain-containing nuclear protein that is thought to play an important role in the regulation of nuclear architecture by binding lamin B1 and chromosomes in a manner regulated by phosphorylation during mitosis. Thymopoietin associates with nucleoplasmic lamins A/C, which are encoded by the dilated cardiomyopathy (DCM) gene LMNA; mutations in Thymopoietin disrupt this binding, suggesting that Thymopoietin may be a candidate disease gene for DCM.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507555
NCBI GeneID	7112
NCBI Accession #	NP_003267
NCBI GenBank Nucleotide #	NM_003276.2
UniProt Accession #	P42166; P08918; P08919; Q14860; Q16295; P42167
Molecular Weight	50,670 Da
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; TP alpha; TP beta/gamma; LEM domain containing 4; lamina-associated polypeptide 2; thymopoietin-related peptide isoform alpha; thymopoietin-related peptide isoforms beta/gamma
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/thymopoietin-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/39270>