

Rabbit anti-Human TMPO Polyclonal Antibody | anti-TMPO antibody

Anti-TMPO Antibody, Rabbit Polyclonal

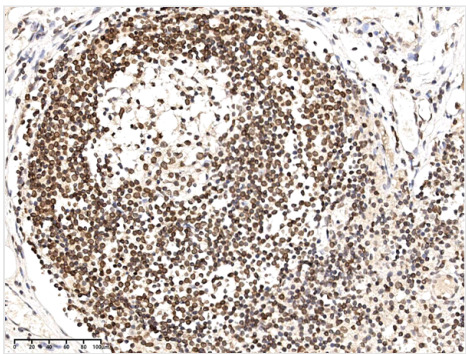
CATALOG # AAA259011	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
-------------------------------	-----------------------	----------------------------	---

PRODUCT SYNONYMS

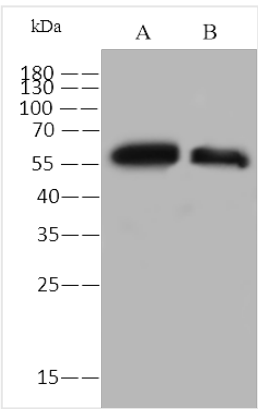
TMPO; Polyclonal Antibody; Anti-TMPO Antibody; Rabbit Polyclonal; thymopoietin; Anti-CMD1T Antibody; Anti-LAP2 Antibody; Anti-LEMD4 Antibody; Anti-PRO0868 Antibody; Anti-TP Antibody; anti-TMPO antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human TMPO
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-TMPO antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E coli-derived Human TMPO fragment
Preparation	Produced in rabbits immunized with E coli-derived Human TMPO fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



IHC (Immunohistochemistry)
Immunochemical staining of human TMPO in human lymph node with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)
Anti-TMPO rabbit polyclonal antibody at 1:500 dilution Lane A: U-251 MG Whole Cell Lysate Lane B: HeLa Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 51 kDa Observed band size: 57 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-TMPO antibody	Thymopoietin is a polypeptide hormone of the thymus consisting of 49 amino acids. The pentapeptide thymopentin (TP-5) Arg-Lys-Asp-Val-Tyr, corresponding to amino acids 32-36 of thymopoietin, appears to represent the active site of thymopoietin in that it has all the biological activities of the native hormone. Thymopoietin is secreted by epithelial cells of the thymus and is pleiotropic in action, affecting neuromuscular transmission, induction of early T cell differentiation and immune regulation. The immuno-regulatory actions of thymopentin on peripheral T cells are mediated by intracellular cyclic GMP elevations in contrast to the intracellular cyclic AMP elevations induced in precursor T cells that trigger their further differentiation to T cells. Thymopoietin and thymopentin have the biological characteristics of being immune normalizing in a number of animal model systems of immune dysbalance. These include immune dysbalances induced by thymectomy or the thymic involution associated with aging or by other procedures in thymus-intact animals. The normalizing action of thymopentin, whether the immune dysbalance be in the direction of hyper- or hyporesponsiveness, points to its potential utility in human diseases characterized by immune dysbalance.
References	Zhang L, et al. (2016) Depletion of thymopoietin inhibits proliferation and induces cell cycle arrest/apoptosis in glioblastoma cells. World J Surg Oncol 14 (1): 267. Marrero-Rodríguez D, et al. (2015) Thymopoietin beta and gamma isoforms as a potential diagnostic molecular marker for breast cancer: Preliminary data. Pathol Oncol Res 21 (4): 1045-1050. Goldstein G, et al. (1985) Thymopoietin to thymopentin: Experimental studies. Surv Immunol Res 4 Suppl 1 1-10.

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://www.aaabiotech.com/polyclonal/tmpo-antibody-immunohistochemistry-western-blot-elisa/259011>