

Thrombopoietin (TPO) Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7557b**Specification**

Thrombopoietin (TPO) Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	P40225
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	37823
Antigen Region	300-329

Thrombopoietin (TPO) Antibody (C-term) - Additional Information**Gene ID** 7066**Other Names**

Thrombopoietin, C-mpl ligand, ML, Megakaryocyte colony-stimulating factor, Megakaryocyte growth and development factor, MGDF, Myeloproliferative leukemia virus oncogene ligand, THPO, MGDF

Target/Specificity

This Thrombopoietin (TPO) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 300-329 amino acids from the C-terminal region of human Thrombopoietin (TPO).

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Thrombopoietin (TPO) Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Thrombopoietin (TPO) Antibody (C-term) - Protein Information**Name** THPO

Synonyms MGDF

Function Lineage-specific cytokine affecting the proliferation and maturation of megakaryocytes from their committed progenitor cells. It acts at a late stage of megakaryocyte development. It may be the major physiological regulator of circulating platelets.

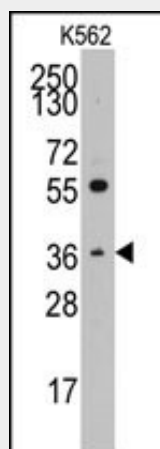
Cellular Location

Secreted

Thrombopoietin (TPO) Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Thrombopoietin (TPO) Antibody (C-term) - Images

Western blot analysis of anti-THPO(C-term) Pab (Cat.#AP7557b) in K562 cell line lysates (35ug/lane). THPO(arrow) was detected using the purified Pab.

Thrombopoietin (TPO) Antibody (C-term) - Background

Megakaryocytopoiesis is the cellular development process that leads to platelet production. THPO is a humoral growth factor that is necessary for megakaryocyte proliferation and maturation, as well as for thrombopoiesis. It is the ligand for MLP/C_MPL, the product of myeloproliferative leukemia virus oncogene.

Thrombopoietin (TPO) Antibody (C-term) - References

- Baker,J.E.,Cardiovasc. Res. 77 (1), 44-53 (2008)
Steinberg,O.,J. Pediatr. Hematol. Oncol. 29 (12), 822-825 (2007)
Kanayasu-Toyoda,T.,J. Biol. Chem. 282 (46), 33507-33514 (2007)