

**Thrombopoietin (TPO) Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP7557c****Specification**

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**Thrombopoietin (TPO) Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P40225</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	37823
Antigen Region	243-273

**Thrombopoietin (TPO) Antibody (Center) - 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 243-273 amino acids from the Central 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 (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**Thrombopoietin (TPO) Antibody (Center) - 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

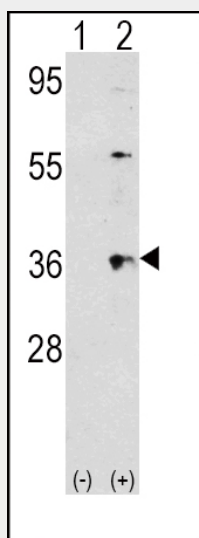
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## Thrombopoietin (TPO) Antibody (Center) - Protocols

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 (Center) - Images



Western blot analysis of THPO (arrow) using rabbit polyclonal THPO Antibody (Center) (Cat. #AP7557c). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the THPO gene (Lane 2) (Origene Technologies).

## Thrombopoietin (TPO) Antibody (Center) - 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 (Center) - 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)