

Anti-Thrombopoietin/TPO Picoband Antibody

Catalog # ABO11720

Product Information

Application	WB, E
Primary Accession	P40225
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Thrombopoietin(THPO) detection. Tested with WB, ELISA in Human.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

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
Calculated MW	37823
Application Details	ELISA , 0.1-0.5 μ g/ml, Human, - Western blot, 0.1-0.5 μ g/ml, Human
Subcellular Localization	Secreted.
Source	Eukaryota
Protein Name	Thrombopoietin
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Immunogen	E. coli-derived human Thrombopoietin/TPO recombinant protein (Position: S22-R258). Human Thrombopoietin/TPO shares 79.3% and 80.6% amino acid (aa) sequence identity with mouse and rat Thrombopoietin/TPO, respectively.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins.
Storage	At -20 °C for one year. After r ° Constitution, at 4 °C for one month. It ° Can also be aliquotted and stored frozen at -20 °C for a longer time.Avoid repeated freezing and thawing.

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

Background

Thrombopoietin (THPO), also known as megakaryocyte growth and development factor (MGDF), is a protein that in humans is encoded by the THPO gene. Megakaryocytopoiesis is the cellular development process that leads to platelet production. The main functional protein encoded by this gene is a humoral growth factor that is necessary for megakaryocyte proliferation and maturation, as well as for thrombopoiesis. This protein is the ligand for MLP/C_MPL, the product of myeloproliferative leukemia virus oncogene. Mutations in this gene are the cause of thrombocythemia 1. Alternative promoter usage and differential splicing result in multiple transcript variants differing in the 5' UTR and/or coding region. Multiple AUG codons upstream of the main open reading frame (ORF) have been identified, and these upstream AUGs inhibit translation of the main ORF at different extent.

Images



Western blot analysis of Thrombopoietin/TPO expression in MCF-7 whole cell lysates (lane 1). Thrombopoietin/TPO at 45KD was detected using rabbit anti-Thrombopoietin/TPO Antigen Affinity purified polyclonal antibody (Catalog # ABO11720) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method .

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.