

Rabbit Anti-Thrombopoietin antibody

SL10407R

Product Name	Thrombopoietin
Chinese Name	血小板生成素/巨核细胞集落刺激因子抗体
Alias	c mpl ligand; C-mpl ligand; Megakaryocyte Colony Stimulating Factor; Megakaryocyte colony-stimulating factor; Megakaryocyte growth and development factor; Megakaryocyte stimulating factor; MGDF; MKCSF; ML; MPL ligand; MPLLG; Myeloproliferative Leukemia Virus Oncogene Ligand; THPO; Thrombopoietin; Thrombopoietin nirs variant 1; TPO; TPO_HUMAN.
Research Area	Tumour Cardiovascular Cell biology Stem cells Cyclin Cell differentiation
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human, Mouse, Rat, (predicted: Cow, Sheep,) WB=1:500-2000
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	37kDa
Cellular localization	Secretory protein
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human Thrombopoietin: 21-120/353
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PubMed

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Megakaryocytopoiesis is the cellular development process that leads to platelet production. The 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. Alternate splicing results in multiple transcript variants of this gene.[provided by RefSeq, Jun 2012].

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.

Subcellular Location:

Secreted.

DISEASE:

Thrombocythemia 1 (THCYT1) [MIM:187950]: A myeloproliferative disorder characterized by excessive platelet production, resulting in increased numbers of circulating platelets. It can be associated with spontaneous hemorrhages and thrombotic episodes. Note=The disease is caused by mutations affecting the gene represented in this entry.

Product Detail

Similarity:

Belongs to the EPO/TPO family.

SWISS:

P40225

Gene ID:

7066

Database links:

[Entrez Gene: 7066](#) Human

[Entrez Gene: 21832](#) Mouse

[Entrez Gene: 81811](#) Rat

[Omim: 600044](#) Human

[SwissProt: P40225](#) Human

[SwissProt: P40226](#) Mouse

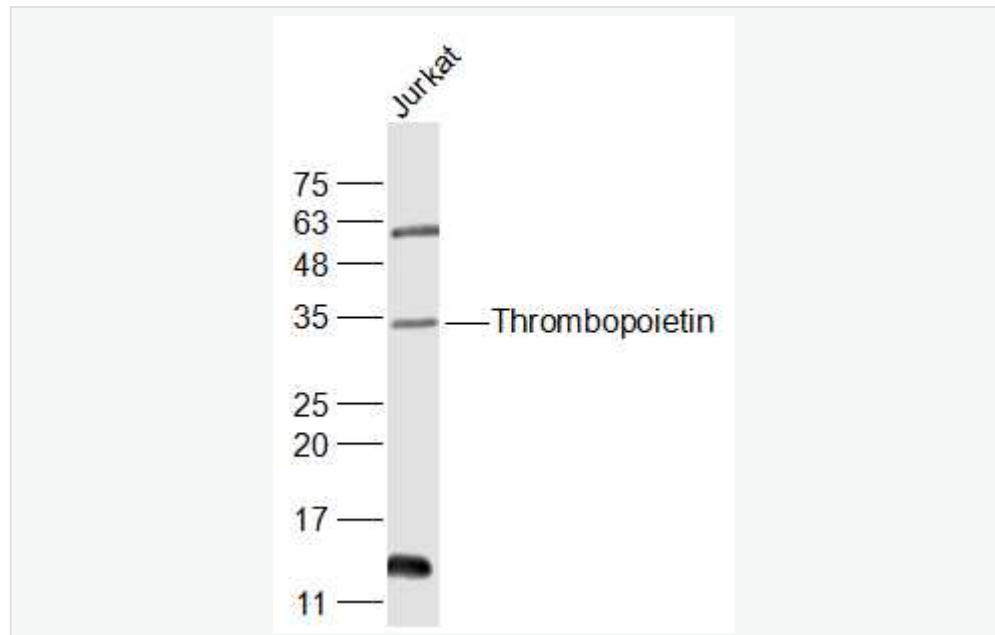
[SwissProt: P49745](#) Rat

[Unigene: 1166](#) Human

[Unigene: 3943](#) Mouse

[Unigene: 10576](#) Rat

Product Picture



Sample:

Jurkat(Human) Cell Lysate at 30 ug

Primary: Anti-Thrombopoietin (SL10407R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 37 kD

Observed band size: 35 kD