bs-10407R **[Primary Antibody]**

Thrombopoietin Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 7066 **SWISS:** P40225

Target: Thrombopoietin

Immunogen: KLH conjugated synthetic peptide derived from human Thrombopoietin: 21-120/353.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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. [provided by RefSeq, Feb 2014]

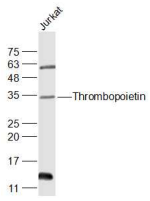
Applications: **WB** (1:500-2000)

Reactivity: Human, Mouse, Rat (predicted: Sheep, Cow)

Predicted MW.: 37 kDa

Subcellular Location: Extracellular matrix ,Cell membrane

VALIDATION IMAGES



Sample: Jurkat(Human) Cell Lysate at 30 ug
Primary: Anti-Thrombopoietin (bs-10407R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 37 kD Observed band size: 35 kD

SELECTED CITATIONS

- **[IF=12.52]** Nakamura-Ishizu, Ayako, et al. "CLEC-2 in megakaryocytes is critical for maintenance of hematopoietic stem cells in the bone marrow." The Journal of experimental medicine (2015): jem-20150057. IHC ;="Mouse". 26552707