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Thrombopoietin Receptor Rabbit mAb

Catalog # AP76189

Product Information

Application	WB
Primary Accession	P40238
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	71245

Additional Information

Gene ID	4352
Other Names	MPL
Dilution	WB~~1:1000-1:5000
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

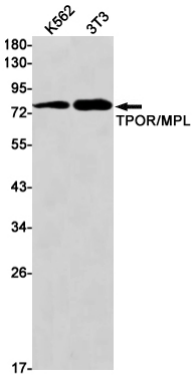
Name	MPL
Synonyms	TPOR
Function	Receptor for thrombopoietin that regulates hematopoietic stem cell renewal, megakaryocyte differentiation, and platelet formation. Upon activation by THPO, induces rapid tyrosine phosphorylation and activation of JAK2, providing docking sites for many signaling proteins such as STAT5, SHIP/INPP5D, GRB2, SOS1 and PI3K (PubMed:15899890, PubMed:37633268). In turn, These signaling cascades lead to the proliferation, survival, and differentiation of megakaryocytes, ultimately leading to increased platelet production.
Cellular Location	Cell membrane; Single-pass type I membrane protein. Golgi apparatus Cell surface
Tissue Location	Expressed at a low level in a large number of cells of hematopoietic origin.

Isoform 1 and isoform 2 are always found to be coexpressed

Background

Receptor for thrombopoietin. May represent a regulatory molecule specific for TPO-R-dependent immune responses.

Images



Western blot analysis of TPOR/MPL in K562, C6 lysates using Thrombopoietin Receptor antibody.

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