

MPL Antibody (N-Term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22241a**Specification**

MPL Antibody (N-Term) - Product Information

Application	WB,E
Primary Accession	P40238
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	71245

MPL Antibody (N-Term) - Additional Information**Gene ID** 4352**Other Names**

Thrombopoietin receptor, TPO-R, Myeloproliferative leukemia protein, Proto-oncogene c-Mpl, CD110, MPL, TPOR

Target/Specificity

This MPL antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 133-166 amino acids from human MPL.

Dilution

WB~~1:2000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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

MPL Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

MPL Antibody (N-Term) - 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

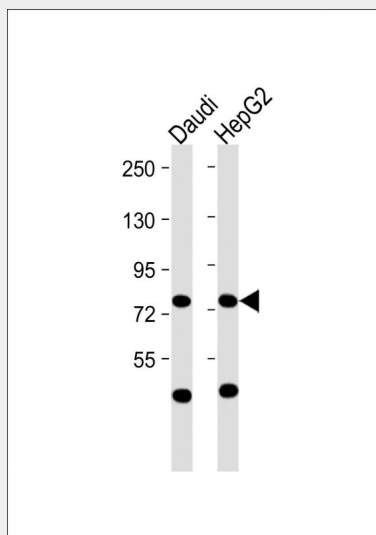
Expressed at a low level in a large number of cells of hematopoietic origin. Isoform 1 and isoform 2 are always found to be coexpressed

MPL Antibody (N-Term) - 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](#)

MPL Antibody (N-Term) - Images



All lanes : Anti-MPL Antibody (N-Term) at 1:2000 dilution Lane 1: Daudi whole cell lysate Lane 2: HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 71 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

MPL Antibody (N-Term) - Background

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

immune responses.

MPL Antibody (N-Term) - References

Vigon I.,et al.Proc. Natl. Acad. Sci. U.S.A. 89:5640-5644(1992).

Mignotte V.,et al.Genomics 20:5-12(1994).

Gregory S.G.,et al.Nature 441:315-321(2006).

Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Saur S.J.,et al.Blood 115:1254-1263(2010).