

Rabbit TPO-R/CD110/c-Mpl Polyclonal Antibody | anti-TPO-R/CD110/c-Mpl antibody

TPO-R/CD110/c-Mpl Polyclonal Antibody

CATALOG # AAA179065	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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PRODUCT SYNONYMS

TPO-R/CD110/c-Mpl; Polyclonal Antibody; TPO-R/CD110/c-Mpl Polyclonal Antibody; MPL; C-MPL; CD110; MPLV; THCYT2; TPOR; anti-TPO-R/CD110/c-Mpl antibody

PRODUCT SPECIFICATIONS

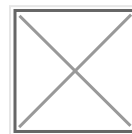
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.01% thiomersal, 50% glycerol, pH 7.3.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-TPO-R/CD110/c-Mpl antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant fusion protein of human TPO-R/CD110/c-Mpl
Research Area	Immunology, Stem Cells
Preparation and Storage	Storage: -20 degree C/One year. Avoid freeze/thaw cycles.

IMAGES



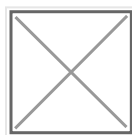
IF (Immunofluorescence)

Immunofluorescence analysis of mouse bone marrow using TPO-R/CD110/c-Mpl Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



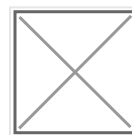
IF (Immunofluorescence)

Immunofluorescence analysis of human spleen using TPO-R/CD110/c-Mpl Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of rat bone marrow using TPO-R/CD110/c-Mpl Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of Mouse heart using STX17 Polyclonal Antibody at 1:1000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-TPO-R/CD110/c-Mpl antibody	In 1990 an oncogene, v-mpl, was identified from the murine myeloproliferative leukemia virus that was capable of immortalizing bone marrow hematopoietic cells from different lineages. In 1992 the human homologue, named, c-mpl, was cloned. Sequence data revealed that c-mpl encoded a protein that was homologous with members of the hematopoietic receptor superfamily. Presence of anti-sense oligodeoxynucleotides of c-mpl inhibited megakaryocyte colony formation. The ligand for c-mpl, thrombopoietin, was cloned in 1994. Thrombopoietin was shown to be the major regulator of megakaryocytopoiesis and platelet formation. The protein encoded by the c-mpl gene, CD110, is 635 amino acid transmembrane domain, with two extracellular cytokine receptor domains and two intracellular cytokine receptor box motifs. TPO-R deficient mice were severely thrombocytopenic, emphasizing the important role of CD110 and thrombopoietin in megakaryocyte and platelet formation. Upon binding of thrombopoietin CD110 is dimerized and the JAK family of non-receptor tyrosine kinases, as well as the STAT family, the MAPK family, the adaptor protein Shc and the receptors themselves become tyrosine phosphorylated.
Product Categories/Family for anti-TPO-R/CD110/c-Mpl antibody	Antibodies; Primary Antibodies; Polyclonal Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885491
NCBI GeneID	4352
NCBI Accession #	NP_005364.1
NCBI GenBank Nucleotide #	NM_005373.2
UniProt Accession #	P40238; Q5JUZO
Molecular Weight	65,521 Da
NCBI Official Full Name	thrombopoietin receptor
NCBI Official Synonym Full Names	MPL proto-oncogene, thrombopoietin receptor
NCBI Official Symbol	MPL
NCBI Official Synonym Symbols	MPLV; TPOR; C-MPL; CD110; THCYT2
NCBI Protein Information	thrombopoietin receptor; TPO-R; proto-oncogene c-Mpl; myeloproliferative leukemia protein; myeloproliferative leukemia virus oncogene
UniProt Protein Name	Thrombopoietin receptor
UniProt Gene Name	MPL
UniProt Synonym Gene Names	TPOR; TPO-R

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tpo-r-cd110-c-mpl-antibody-immunofluorescence-western-blot-elisa/179065>