

CD110 Polyclonal Antibody
Catalog # AP73652**Specification**

CD110 Polyclonal Antibody - Product Information

Application	WB, IHC-P
Primary Accession	P40238
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

CD110 Polyclonal Antibody - Additional Information**Gene ID** 4352**Other Names**

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

Dilution

WB~~Western Blot: 1/500 - 1/2000. IHC-p: 1/100-1/300. ELISA: 1/20000. Not yet tested in other applications.

IHC-P~~N/A

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

CD110 Polyclonal Antibody - 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

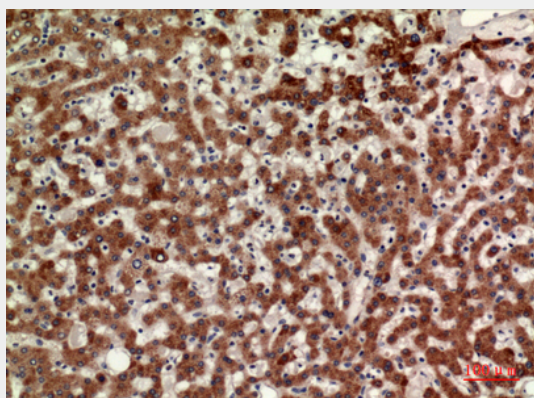
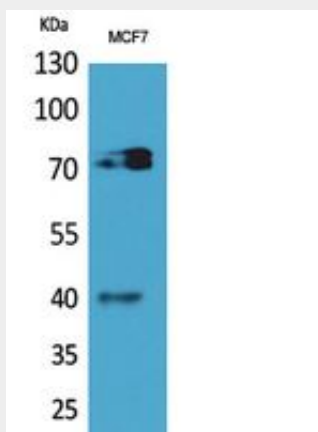
Tissue Location

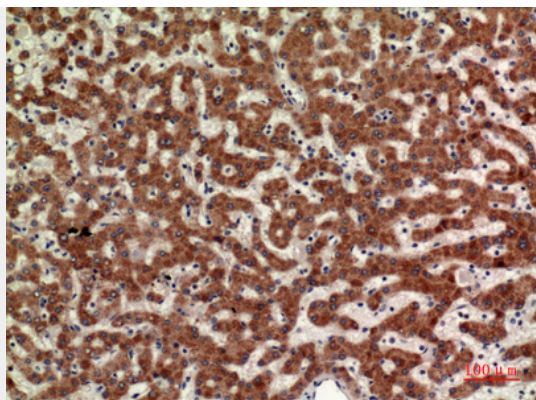
Expressed at a low level in a large number of cells of hematopoietic origin. Isoform 1 and isoform 2 are always found to be coexpressed

CD110 Polyclonal Antibody - 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](#)

CD110 Polyclonal Antibody - Images

**CD110 Polyclonal Antibody - Background**

Receptor for thrombopoietin that acts as a primary regulator of megakaryopoiesis and platelet production. May represent a regulatory molecule specific for TPO-R-dependent immune responses.