

**Anti-Human/Mouse/Rat CD110 Polyclonal Antibody****Polyclonal Antibody****Cat.NO.: PA02562**

3th Edition

**Description:**The protein encoded by the c-mpl gene, CD110, is a 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. MPL (MPL Proto-Oncogene, Thrombopoietin Receptor) is a Protein Coding gene. Diseases associated with MPL include Thrombocytopenia, Congenital Amegakaryocytic and Myelofibrosis With Myeloid Metaplasia, Somatic. Among its related pathways are Response to elevated platelet cytosolic Ca<sup>2+</sup> and NF-kappaB Signaling. GO annotations related to this gene include transmembrane signaling receptor activity and thrombopoietin receptor activity. An important paralog of this gene is EPOR.

**Antigen:**Synthesized peptide derived from the Internal region of human CD110.

**Form:**

**How to use:**1.0 ml distilled water will be added to the product

**Stability:** Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

**Dilution:**PBS (pH7.4) containing 1% BSA

**Application:**This antibody can be used for western blotting in concentration of 1?5?g/ml.

**Specificity:**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.