

## Anti-Phospho-C-MPL (Tyr626) Polyclonal Antibody

## Product Details

|                   |   |
|-------------------|---|
| Ig Type:          | IgG   |
| Reactivity:       | Human   |
| Conjugation:      | Unconjugated  |
| Molecular Weight: | Actual: 69, 40 kDa.   |
| Purification:     | The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen. |

## Applications

|              |                 |
|--------------|-----------------|
| Application: | WB              |
| Recommended  | WB: 1:1000-2000 |

## Properties

|                      |   |
|----------------------|---|
| Stability & Storage: | Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping:            | Shipping with blue ice.   |

## Antigen Details

|                  |  |
|------------------|--|
| Immunogen:       | A synthesized phosphopeptide: human TPOR around the phosphorylation site of Tyr626 |
| Antigen Species: | human  |
| Uniprot ID:      | P40238   |
| Synonyms:        | C-MPL (p-Y626);p-C-MPL (Y626);p-C-MPL (Tyr626);C-MPL (p-Tyr626)                    |

## Research Background

MPL proto-oncogene, thrombopoietin receptor(MPL) Homo sapiens 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 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 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

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