

产品名称: CD110 Rabbit Polyclonal Antibody
产品货号: APRab08191



产品概述 (Summary)

产品名称 (Production Name)	CD110 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	MPL
别名 (Alternative Names)	MPL; TPOR; Thrombopoietin receptor; TPO-R; Myeloproliferative leukemia protein; Proto-oncogene c-Mpl; CD110
基因 ID (Gene ID)	4352.0
蛋白 ID (SwissProt ID)	P40238.Synthesized peptide derived from Thrombopoietin receptor at AA range: 321-370

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	69,40kDa

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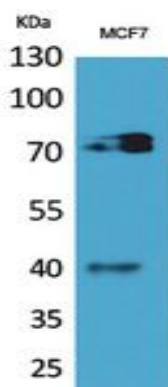
研究背景 (Background)

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 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 caution: It is uncertain whether Met-1 or Met-8 is the initiator. Disease: Defects in MPL are a cause of congenital amegakaryocytic thrombocytopenia (CAMT) [MIM:604498]. CAMT is a disease characterized by isolated thrombocytopenia and megakaryocytopenia with no physical anomalies. Domain: The box 1 motif is required for JAK interaction and/or activation. Domain: The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding. Function: Receptor for thrombopoietin. May represent a regulatory molecule specific for TPO-R-dependent immune responses. Similarity: Belongs to the type I cytokine receptor family. Type 1 subfamily. Similarity: Contains 2 fibronectin type-III domains. Subunit: Interacts with ATXN2L. Tissue 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.

研究领域 (Research Area)

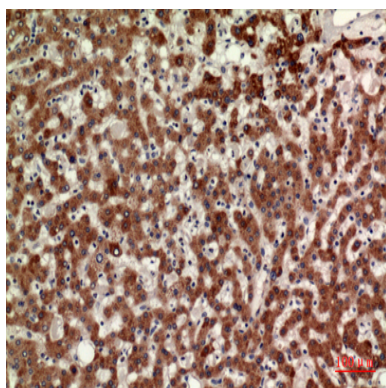
Cytokine-cytokine receptor interaction; Jak_STAT;

图片 (Image Data)

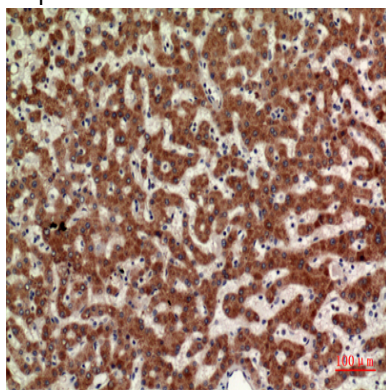


Western Blot analysis of MCF7 cells using CD110 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000

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Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:100

注意事项 (Note)

For research use only .