

产品名称: EMR2 Rabbit Polyclonal Antibody
产品货号: APRab10447



产品概述 (Summary)

产品名称 (Production Name)	EMR2 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB, ICC/IF, ELISA
种属反应性 (Reactivity)	Human

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)	EMR2
别名 (Alternative Names)	EMR2; EGF-like module-containing mucin-like hormone receptor-like 2; EGF-like module receptor 2; CD antigen CD312
基因 ID (Gene ID)	30817.0
蛋白 ID (SwissProt ID)	Q9UHX3. The antiserum was produced against synthesized peptide derived from human EMR2. AA range: 765-814

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000, ICC/IF 1:200-1:1000, ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	85kDa

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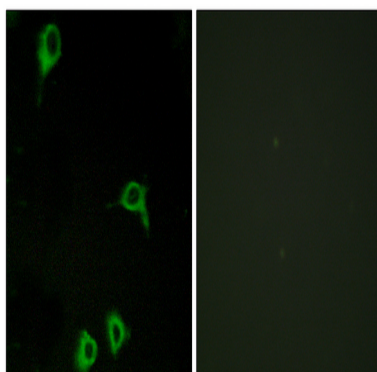


研究背景 (Background)

This gene encodes a member of the class B seven-span transmembrane (TM7) subfamily of G-protein coupled receptors. These proteins are characterized by an extended extracellular region with a variable number of N-terminal epidermal growth factor-like domains coupled to a TM7 domain via a mucin-like spacer domain. The encoded protein is expressed mainly in myeloid cells where it promotes cell-cell adhesion through interaction with chondroitin sulfate chains. This gene is situated in a cluster of related genes on chromosome 19. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Aug 2012], alternative products: A number of isoforms are produced. A number of isoforms consisting of various number of EGF-like domains seems to exist. A soluble form due to a frameshift which introduced a stop codon immediately before the first TM domain is also detected, domain: Binding to chondroitin sulfate is mediated by the fourth EGF domain., domain: The GPS domain is necessary, but not sufficient for receptor cleavage, which require the entire extracellular stalk., function: Receptor probably involved in cell attachment., PTM: Proteolytically cleaved into 2 subunits, an extracellular alpha subunit and a seven-transmembrane subunit., similarity: Belongs to the G-protein coupled receptor 2 family. LN-TM7 subfamily., similarity: Contains 1 GPS domain., similarity: Contains 5 EGF-like domains., subunit: Forms a heterodimer, consisting of a large extracellular region non-covalently linked to a seven-transmembrane moiety. Interacts with chondroitin sulfate., tissue specificity: Expression is restricted to myeloid cells. Highest expression was found in peripheral blood leukocytes, followed by spleen and lymph nodes, with intermediate to low levels in thymus, bone marrow, fetal liver, placenta, and lung, and no expression in heart, brain, skeletal muscle, kidney, or pancreas. Expression is also detected in monocyte/macrophage and Jurkat cell lines but not in other cell lines tested.,

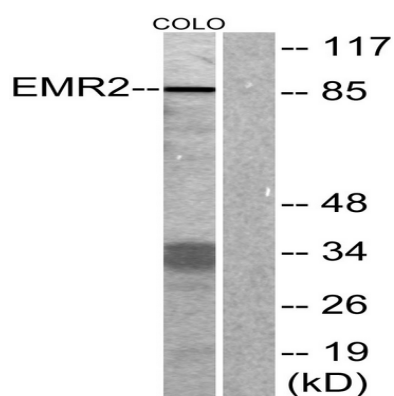
研究领域 (Research Area)

图片 (Image Data)

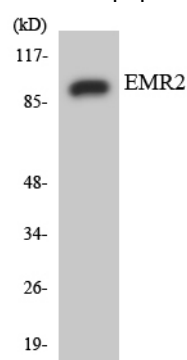


Immunofluorescence analysis of COS7 cells, using EMR2 Antibody. The picture on the right is blocked with the synthesized peptide.

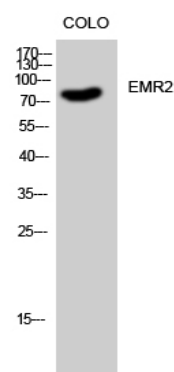
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Western blot analysis of lysates from COLO cells, using EMR2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HUVECcells using EMR2 antibody.



Western Blot analysis of COLO cells using EMR2 Polyclonal Antibody

注意事项 (Note)

For research use only .