10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

EMR2 Polyclonal Antibody

Catalog # AP69729

Product Information

Application	WB, IF, ICC, E
Primary Accession	Q9UHX3
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	90472

Additional Information

Gene ID	30817
Other Names	EMR2; EGF-like module-containing mucin-like hormone receptor-like 2; EGF-like module receptor 2; CD antigen CD312
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications. IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

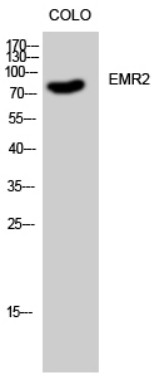
Name	ADGRE2 (HGNC:3337)
Synonyms	EMR2
Function	Cell surface receptor that binds to the chondroitin sulfate moiety of glycosaminoglycan chains and promotes cell attachment. Promotes granulocyte chemotaxis, degranulation and adhesion. In macrophages, promotes the release of inflammatory cytokines, including IL8 and TNF. Probably signals through G proteins. Is a regulator of mast cell degranulation (PubMed:26841242).
Cellular Location	Cell membrane; Multi-pass membrane protein. Cell projection, ruffle membrane; Multi-pass membrane protein. Note=Localized at the leading edge of migrating cells.
Tissue Location	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. High expression in mast cells (PubMed:26841242)

Background

Cell surface receptor that binds to the chondroitin sulfate moiety of glycosaminoglycan chains and promotes cell attachment. Promotes granulocyte chemotaxis, degranulation and adhesion. In macrophages, promotes the release of inflammatory cytokines, including IL8 and TNF. Signals probably through G-proteins. Is a regulator of mast cell degranulation (PubMed:26841242).

Images



Western Blot analysis of COLO cells using EMR2 Polyclonal Antibody

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.