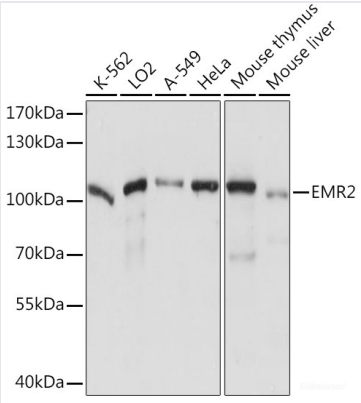
EMR2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	EMR2, Polyclonal Antibody
Full Product Name	EMR2 Polyclonal Antibody
Product Gene Name	anti-EMR2 antibody
Product Synonym Names	ADGRE2; CD312; EMR2; VBU
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	PBS with 0.01% thiomersal,50% glycerol,pH7.3.
Purity/Purification	Affinity purification
Concentration	1mg/mL (lot specific)
Preparation and Storage	Storage: -20 degree C/One year. Avoid freeze/thaw cycles.
Molecular Weight	90,472 Da
Chromosome Location	Chromosome: 19; NC_000019.9 (14843509..14889353, complement). Location: 19p13.1
OMIM	606100
3D Structure	ModBase 3D Structure for Q9UHX3
Immunogen	Recombinant fusion protein of human EMR2
Research Area	Signal Transduction
Product Categories/Family for anti-EMR2 antibody	Antibodies; Primary Antibodies; Polyclonal Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-EMR2 antibody	Western Blot (WB)
Application Notes for anti-EMR2 antibody	WB: 1:500-1:2000
Related Product Information for anti-EMR2 antibody	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.
Other Notes	Small volumes of anti-EMR2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for EMR2 purchase	MBS2573470 is an antibody targeting EMR2. Also known as EMR2 Polyclonal Antibody. Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-EMR2 antibody
Western blot analysis of extracts of various cell lines using EMR2 Polyclonal Antibody at1:1000 dilution.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EMR2. It may not necessarily be applicable to this product.

NCBI GI #	23397681
NCBI GeneID	30817
NCBI Accession #	NP_038475.2
UniProt Primary Accession #	Q9UHX3
UniProt Secondary Accession #	Q8NG96; Q9Y4B1; E9PBR1; E9PEL6; E9PFQ5; E9PG91
UniProt Related Accession #	Q9UHX3
GenBank Nucleotide #	NM_013447.3
NCBI Official Full Name	EGF-like module-containing mucin-like hormone receptor-like 2 isoform a
NCBI Official Synonym Full Names	egf-like module containing, mucin-like, hormone receptor-like 2
NCBI Official Symbol	EMR2
NCBI Official Synonym Symbols	CD312
UniProt Protein Name	EGF-like module-containing mucin-like hormone receptor-like 2
UniProt Synonym Protein Names	EGF-like module receptor 2
UniProt Gene Name	EMR2
UniProt Entry Name	EMR2_HUMAN
NCBI Protein Information	EGF-like module-containing mucin-like hormone receptor-like 2

UniProt Comments for EMR2	EMR2: 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. Belongs to the G-protein coupled receptor 2 family. LN-TM7 subfamily. 5 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Receptor, GPCR; GPCR, family 2; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 19p13.1 Cellular Component: integral to membrane; plasma membrane Molecular Function: G-protein coupled receptor activity; calcium ion binding Biological Process: G-protein coupled receptor protein signaling pathway; cell migration; cell adhesion; inflammatory response
Research Articles on EMR2	**1.** Using the myeloid cell-restricted EMR2 receptor as a paradigm, we exam the mechanistic relevance of the subunit interaction and demonstrate a critical role for autoproteolysis in mediating receptor signaling and cell activation
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