



Anti-Chemokine-like receptor 1 (CMKLR1), Rabbit-Polyclonal Antibody

Catalog No. GB-30080
Antigen species: Human
Host species: Rabbit

Quantity: 100µg
Reactivity: Human
Form: Peptide affinity purified antibody

Applications: ELISA

Target description

Homo sapiens chemokine-like receptor 1 (CMKLR1), which encodes a protein that has notable sequence and structural homology to the seven trans-membrane G-protein linked chemokine receptors. This gene has 55% nucleotide sequence homology to the IL-8 type 1 receptor and 53% to the N-formyl peptide related receptor 1 genes. The mRNA of this receptors is expressed in a broad array of tissues associated with hematopoietic and immune function including, spleen, thymus, appendix, lymph node, bone marrow, and fetal liver.

Antigen

This polyclonal antibody was raised by immunizing rabbit with a synthetic peptide located on the putative extracellular domain of human CMKLR1.

Application

The antibody specificity was assayed by ELISA with the synthetic CMKLR1 peptide antigen. The antibody titer is more than 100K for ELISA. It has not been tested in the other applications. However, for the first testing, we recommend 1/3,000 dilution for ELISA, 1/500 dilution for Western blot analysis (WB) of recombinant protein, 1/200 dilution for tissue extracts or cell lysates, 1/50 dilution for immunohistochemistry (IHC) staining on frozen cryosections, 1/30 dilution for IHC staining on paraffin embedded sections.

Related Products

1. Anti-guanine nucleotide binding protein (G protein), q polypeptide (GNAQ), pAb (GB-30070)
2. Anti-luteinizing hormone/choriogonadotropin receptor (LHCGR), pAb (GB-30071)
3. Anti-adrenergic, beta-1-, receptor (ADRB1) pAb (GB-30072)
4. Anti-adrenergic, beta-2-, receptor, surface (ADRB2) pAb (GB-30073)
5. Anti-angiotensin II receptor, type 1 (AGTR1) pAb (GB-30074)

Ab dilution	Pre-bleed	Purified-Ab
1:100	1.462	2.565
1:1,000	0.394	2.084
1:10,000	0.111	0.874
1:100,000	0.091	0.200
1:1,000,000	0.077	0.086
Titer		212.5K

Antigen is coated on EIA strips at 1µg per well.

ELISA Protocol

Add 200µl of blocking buffer and then wash wells with PBST buffer. Antiserum or peptide specific purified antibody GB-30080 is diluted in series as $10^2 \sim 10^6$ folds and added in separate wells. Incubate antibody for 1hr. Wash unbound antibodies and add anti-rabbit IgG-HRP conjugate. Wash the plates and add substrate to develop color for 5 min. Read absorbance (ABS) at 650 nm. Amount of color is directly proportional to the amount of antibodies. Antibody is positive at >2 folds of ABS of control/Pre-Immune serum.

Storage

It is supplied as peptide affinity purified antibody in lyophilized powder. Redissolve the powder with 100 microliter sterile water will restore to the original concentration 1mg/ml (1×PBS). Store at 4°C for short-term application. For long-term storage, aliquot and store at -20°C.

References

1. Owman, C., Lolait, S.J., Santen, S. and Olde, B. Molecular cloning and tissue distribution of cDNA encoding a novel chemoattractant-like receptor. *Biochem. Biophys. Res. Commun.* 241 (2): 390-394, 1997.
2. Methner, A., Hermey, G., Schinke, B. and Hermans-Borgmeyer, I. A novel G protein-coupled receptor with homology to neuropeptide and chemoattractant receptors expressed during bone development. *Biochem. Biophys. Res. Commun.* 233 (2): 336-342, 1997.

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