

Anti-CMKLR1 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse (predicted:Dog,Sheep,Rat)
Molecular Weight:	Theoretical: 42 kDa. Actual: 42 kDa.
Purification:	Protein A purified

Applications

1. Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-CMKLR1 Polyclonal Antibody, Unconjugated (TMAB-04482) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining
2. Tissue/cell: human glioma tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-CMKLR1 Polyclonal Antibody, Unconjugated (TMAB-04482) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining
3. Black line : Positive blank control HUVEC); Negative blank control (A431)
Green line : Primary Antibody (Rabbit Anti-CMKLR1 antibody (TMAB-04482))
Orange line : Isotype Control Antibody (Rabbit IgG).
Blue line : Secondary Antibody (Goat anti-rabbit IgG-AF488)
HUVEC (Positive) and A431 (Negative control) cells (black) were incubated in 5% BSA blocking buffer for 30 min at room temperature. Cells were then stained with CMKLR1 Antibody (TMAB-04482) at 1:50 dilution in blocking buffer and incubated for 30 min at room temperature, washed twice with 2% BSA in PBS, followed by secondary antibody (blue) incubation for 40 min at room temperature. Acquisitions of 20,000 events were performed. Cells stained with primary antibody (green), and isotype control (orange).
4. Sample:
Lane 1: Lung (Mouse) Lysate at 40 µg
Lane 2: Liver (Mouse) Lysate at 40 µg
Primary: Anti-CMKLR1 (TMAB-04482) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 42 kD
Observed band size: 42 kD
5. 25 µg total protein per lane of various lysates (see on figure) probed with CMKLR1 polyclonal antibody, unconjugated (TMAB-04482) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.
6. Tissue/cell: Human laryngeal tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-CMKLR1 Polyclonal Antibody, Unconjugated (TMAB-04482) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining

Verified Activity:

A DRUG SCREENING EXPERT

7. Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-CMKLR1 Polyclonal Antibody, Unconjugated (TMAB-04482) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining

Application: WB,IHC-P,IHC-Fr,IF

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: rat CMKLR1

Antigen Species: Rat

Gene ID: 1240

Research Background

Chemokine-Like Receptor 1 (CMKLR1) is a serpentine transmembrane G-protein linked receptor. It is an orphan chemoattractant receptor, also known as ChemR23 or DEZ. CMKLR1 is expressed on the surface of monocyte-derived immature dendritic cells and peripheral plamacytoid dendritic (pDC) cells; but not on myeloid dendritic (mDC) cells, monocytes and lymphocytes. The expression of CMKLR1 on pDC is down-regulated after activation. Chemerin (TIG2) is a natural ligand of CMKLR1. The interaction of CMKLR1 with Chemerin induces pDC activation and chemotaxis. It has been shown that CMKLR1 is a coreceptor for several strains of SIV and HIV-1. CMKLR1 is a potential useful marker for distinguishing pDCs and mDCs.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481