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

CCL4 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10172B

Product Information

Application	WB, IHC-P, E
Primary Accession	P13236
Other Accession	Q8NHW4, NP_996890.1, NP_002975.1, NP_001001435.1
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB23429
Calculated MW	10212
Antigen Region	22-48

Additional Information

Gene ID	388372;6351
Other Names	C-C motif chemokine 4, G-26 T-lymphocyte-secreted protein, HC21, Lymphocyte activation gene 1 protein, LAG-1, MIP-1-beta(1-69), Macrophage inflammatory protein 1-beta, MIP-1-beta, PAT 744, Protein H400, SIS-gamma, Small-inducible cytokine A4, T-cell activation protein 2, ACT-2, MIP-1-beta(3-69), CCL4, LAG1, MIP1B, SCYA4
Target/Specificity	This CCL4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 22-48 amino acids from the Central region of human CCL4.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CCL4 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CCL4

Synonyms	LAG1, MIP1B, SCYA4
Function	Monokine with inflammatory and chemokinetic properties. Binds to CCR5. One of the major HIV-suppressive factors produced by CD8+ T- cells. Recombinant MIP-1-beta induces a dose-dependent inhibition of different strains of HIV-1, HIV-2, and simian immunodeficiency virus (SIV). The processed form MIP-1-beta(3-69) retains the abilities to induce down-modulation of surface expression of the chemokine receptor CCR5 and to inhibit the CCR5-mediated entry of HIV-1 in T-cells. MIP-1- beta(3-69) is also a ligand for CCR1 and CCR2 isoform B.
Cellular Location	Secreted.

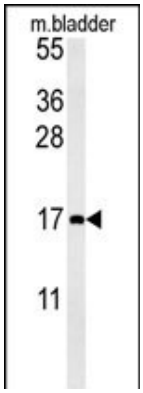
Background

This gene is one of several cytokine genes clustered on the q-arm of chromosome 17. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. This protein is similar to CCL4 which inhibits HIV entry by binding to the cellular receptor CCR5. The copy number of this gene varies among individuals; most individuals have 1-5 copies in the diploid genome, although rare individuals do not contain this gene at all. The human genome reference assembly contains two copies of this gene. This record represents the more centromeric gene. [provided by RefSeq].

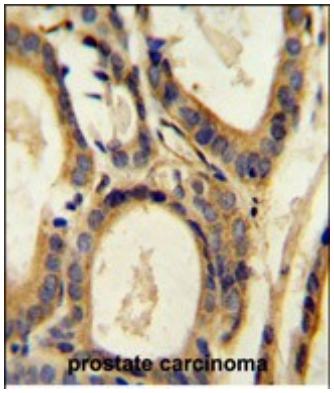
References

Colobran, R., et al. Clin. Exp. Immunol. 162(1):41-52(2010)
Lajoie, J., et al. J. Clin. Immunol. 30(1):90-98(2010)
Colobran, R., et al. Genes Immun. 10(3):254-259(2009)
Shostakovich-Koretskaya, L., et al. AIDS 23(6):679-688(2009)
Melzer, D., et al. PLoS Genet. 4 (5), E1000072 (2008) :

Images



CCL4 Antibody (Center) (Cat. #AP10172b) western blot analysis in mouse bladder tissue lysates (15ug/lane).This demonstrates the CCL4 antibody detected CCL4 protein (arrow).



CCL4 Antibody (Center) (Cat. #AP10172b) immunohistochemistry analysis in formalin fixed and paraffin embedded human prostate carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CCL4 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

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