

CCL4 Rabbit pAb
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Catalog # AP94709**Specification**

CCL4 Rabbit pAb - Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P14097
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	7.8 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse MIP-1 beta
Epitope Specificity	21-92/92
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Secreted.
SIMILARITY	Belongs to the intercrine beta (chemokine CC) family.
SUBUNIT	Homodimer and heterodimer of MIP-1-alpha(4-69) and MIP-1-beta(3-69).
Post-translational modifications	N-terminal processed form MIP-1-beta(3-69) is produced by proteolytic cleavage after secretion from peripheral blood lymphocytes.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

MIP1 alpha and MIP1 beta were originally co-purified from medium conditioned by an LPS-stimulated murine macrophage cell line. Human MIP1 beta refers to the products of several independently cloned cDNAs, including Act2, PAT 744, hH400, G26, HIMAP, HC21, and MAD 5a. The predicted protein products of these cDNAs represent variants that are between 94% - 98% identical and these proteins are all approximately 75% homologous to murine MIP1 beta. MIP1 beta also shares approximately 70% amino acid identity with MIP1 alpha. MIP1 proteins are expressed primarily in T cells, B cells, and monocytes after antigen or mitogen stimulation. The MIP1 proteins have chemoattractant and adhesive effects on lymphocytes, with MIP1 alpha and MIP1 beta preferentially attracting CD8+ and CD4+ T cells, respectively. A signal transducing receptor designated the CC chemokine receptor 1 (CC CKR1) with seven transmembrane domains that binds MIP1 alpha, MIP1 beta, MCP1 and RANTES with varying affinities has been isolated.

CCL4 Rabbit pAb - Additional Information

Gene ID 20303**Other Names**

C-C motif chemokine 4, Immune activation protein 2, ACT-2, ACT2, Macrophage inflammatory protein 1-beta, MIP-1-beta, Protein H400, SIS-gamma, Small-inducible cytokine A4, Ccl4, Mip1b, Scya4

Dilution

IHC-P~~N/A
IHC-F~~N/A
IF~~1:50~200

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

CCL4 Rabbit pAb - Protein Information

Name Ccl4

Synonyms Mip1b, Scya4

Function

Monokine with inflammatory and chemokinetic properties.

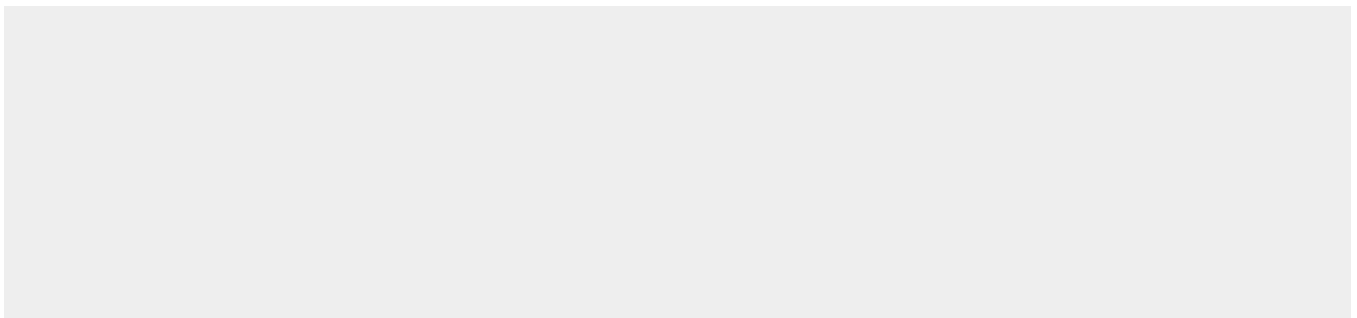
Cellular Location

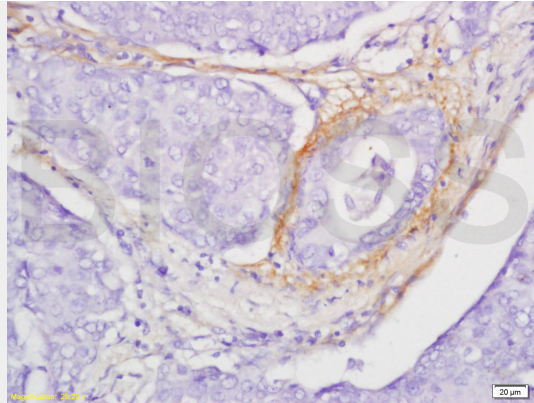
Secreted.

CCL4 Rabbit pAb - Protocols

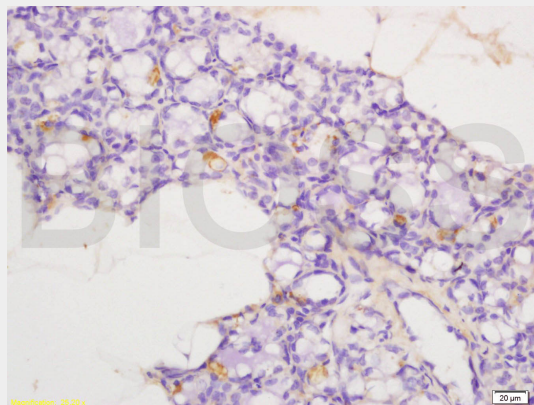
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

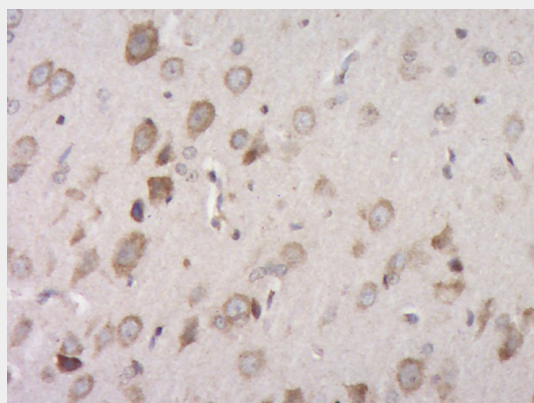
CCL4 Rabbit pAb - Images



Tissue/cell: human esophageal carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-MIP-1 Beta Polyclonal Antibody, Unconjugated(AP94709) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

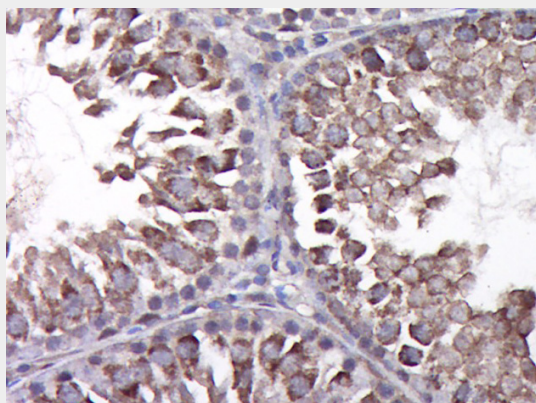


Tissue/cell: rat exfoliated cells; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-MIP-1 Beta Polyclonal Antibody, Unconjugated(AP94709) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CCL4) Polyclonal Antibody, Unconjugated (AP94709) at 1:400 overnight at 4°C, followed by operating

according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CCL4) Polyclonal Antibody, Unconjugated (AP94709) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

CCL4 Rabbit pAb - Background

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