For Research Use Only

MIP-1 Alpha/CCL3 Polyclonal antibody

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Antibodies | ELISA kits | Proteins
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Catalog Number:16748-1-AP 1 Publications

Basic Information

Catalog Number:
16748-1-AP

Size:
500 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG10183

GenBank Accession Number:
BC071834

GeneID (NCBI):
6348

UNIPROT ID:
P10147

Full Name:
chemokine (C-C motif) ligand 3

Calculated MW:
92 aa, 10 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:1000

Applications

Tested Applications:
WB, ELISA

Cited Applications:
WB

Species Specificity:
human

Cited Species:
human

Positive Controls:

WB : PMA, LPS and Brefeldin A treated THP-1 cells,

Background Information

Chemokine (C-C motif) ligand 3 (CCL3), also known as MIP-1α, belongs to the family of chemokines. CCL3 has been found in the central nervous system and its cognate receptors, CCR1 and CCR5, have been reported to be expressed by astrocytes, microglia and neurons. CCL3 and its receptors, CCR1 and CCR5, also contribute to the development of bone disease in multiple myeloma by supporting tumor growth and regulating osteoclast differentiation. CCL3 is also associated with the regulation of cell growth, angiogenesis, and metastasis of different tumors such as melanoma, renal cell carcinoma, and colorectal cancer. Moreover, CCL3 enhances cell migration and metastasis by up-regulating matrix metalloproteinase-2 (MMP)-2 expression in chondrosarcoma cells.

Notable Publications

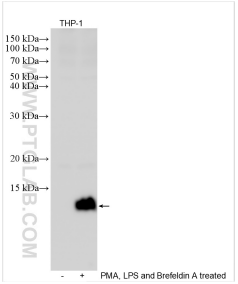
Author	Pubmed ID	Journal	Application
Renwang Liu	38204755	Front Immunol	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



PMA, LPS and Brefeldin A treated THP-1 cells were subjected to SDS PAGE followed by western blot with 16748-1-AP (MIP-1 Alpha/CCL3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.