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MCP-3 Polyclonal Antibody

Catalog # AP74229

Product Information

Application	IHC-P, IF, ICC, E
Primary Accession	P80098
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	11200

Additional Information

Gene ID	6354
Other Names	C-C motif chemokine 7 (Monocyte chemoattractant protein 3) (Monocyte chemotactic protein 3) (MCP-3) (NC28) (Small-inducible cytokine A7)
Dilution	IHC-P~~IHC-p 1:50-200, ELISA 1:10000-20000 IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

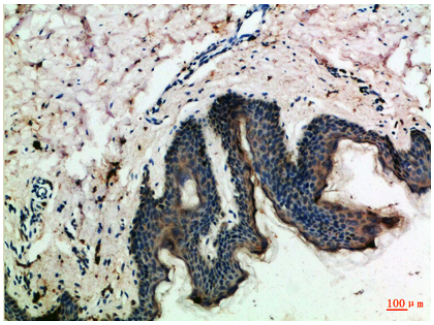
Name	CCL7
Synonyms	MCP3, SCYA6, SCYA7
Function	Chemotactic factor that plays an important role in immune regulation. Attracts monocytes, eosinophils, basophils, and T-cells to sites of inflammation or infection. Upon binding to various chemokine receptors including CCR1, CCR2, CCR3, and CCR5, facilitates immune cell migration by guiding them to infected tissues (PubMed:9364936, PubMed:10477718). Interacts with CCR2 to facilitate the release of monocytes from the bone marrow into the bloodstream, maintaining monocyte homeostasis. In turn, monocytes recruited to inflamed or injured tissues can differentiate into macrophages or dendritic cells, which are essential for immune defense and tissue repair. Through CCR1, contributes to macrophage polarization via NF-kappa-B activation which leads to the release of inflammatory factors (PubMed:38417634). In the trigeminal ganglion neurons, activates ERK via CCR2 and CCR3 to enhance neuronal excitability, which contributes to the maintenance of trigeminal neuropathic pain. Additionally, modulates the early immune response in the skin, preventing pathogen dissemination while maintaining cutaneous immune control.

Cellular Location Secreted.

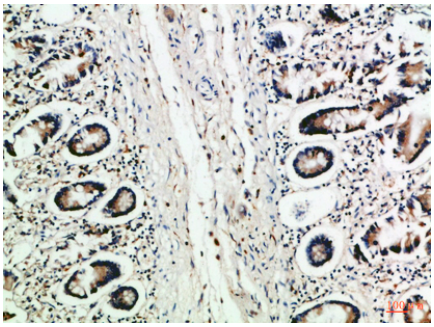
Background

Chemotactic factor that attracts monocytes and eosinophils, but not neutrophils. Augments monocyte anti-tumor activity. Also induces the release of gelatinase B. This protein can bind heparin. Binds to CCR1, CCR2 and CCR3.

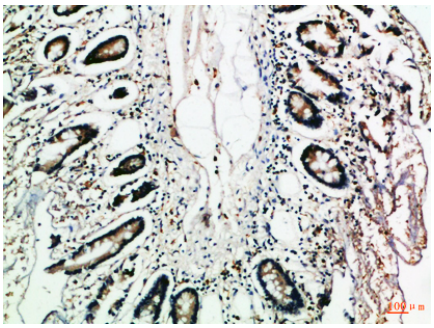
Images



Immunohistochemical analysis of paraffin-embedded Human-skin, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded Human-colon, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded Human-colon, antibody was diluted at 1:100

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