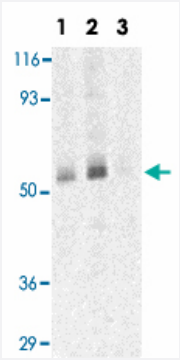
CCR3 polyclonal antibody

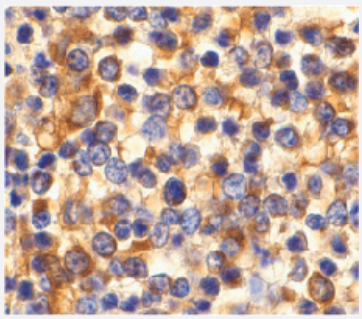
Catalog # PAB13064 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of CCR3 in human spleen tissue lysates with CCR3 polyclonal antibody (Cat # PAB13064) at 1 (lane 1) and 2 ug/mL (lane 2), and 2 ug/mL in the presence of blocking peptide (lane 3).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of CCR3 in human spleen tissue with CCR3 polyclonal antibody (Cat # PAB13064) at 10 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CCR3.
Immunogen	A synthetic peptide corresponding to C-terminus 14 amino acids of human CCR3.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Recommend Usage	Western Blot (1-2 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for up to one year. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

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- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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Gene Info — CCR3

Entrez GeneID	1232
Protein Accession#	NP_847899
Gene Name	CCR3
Gene Alias	CC-CKR-3, CD193, CKR3, CMKBR3, MGC102841
Gene Description	chemokine (C-C motif) receptor 3
Omim ID	601268
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a receptor for C-C type chemokines. It belongs to family 1 of t he G protein-coupled receptors. This receptor binds and responds to a variety of chemokines, incl uding eotaxin (CCL11), eotaxin-3 (CCL26), MCP-3 (CCL7), MCP-4 (CCL13), and RANTES (CC L5). It is highly expressed in eosinophils and basophils, and is also detected in TH1 and TH2 cells , as well as in airway epithelial cells. This receptor may contribute to the accumulation and activati on of eosinophils and other inflammatory cells in the allergic airway. It is also known to be an entry co-receptor for HIV-1. This gene and seven other chemokine receptor genes form a chemokine re ceptor gene cluster on the chromosomal region 3p21. Alternatively spliced transcript variants hav e been described. [provided by RefSeq
Other Designations	CC chemokine receptor 3|OTTHUMP00000164718|b-chemokine receptor|eosinophil CC chemo kine receptor 3|eosinophil eotaxin receptor

Publication Reference

- CCR3 and CCR5 are co-receptors for HIV-1 infection of microglia.

  He J, Chen Y, Farzan M, Choe H, Ohagen A, Gartner S, Busciglio J, Yang X, Hofmann W, Newman W, Mackay CR, Sodroski J, Gabuzda D.

  Nature 1997 Feb; 385(6617):645.

  Application: IF, Human, Brain, Primary brain culture cells

- The beta-chemokine receptors CCR3 and CCR5 facilitate infection by primary HIV-1 isolates.

  Choe H, Farzan M, Sun Y, Sullivan N, Rollins B, Ponath PD, Wu L, Mackay CR, LaRosa G, Newman W, Gerard N, Gerard C, Sodroski J.

  Cell 1996 Jun; 85(7):1135.

- Identification of a major co-receptor for primary isolates of HIV-1.

  Deng H, Liu R, Ellmeier W, Choe S, Unutmaz D, Burkhart M, Di Marzio P, Marmon S, Sutton RE, Hill CM, Davis CB, Peiper SC, Schall TJ, Littman DR, Landau NR.

  Nature 1996 Jun; 381(6584):661.

  Application: WB-Tr, Mouse, NIH/3T3 cells

Pathway

- Chemokine signaling pathway
- Cytokine-cytokine receptor interaction

Disease

- Asthma
- Atherosclerosis
- Birth Weight
- Brain Ischemia
- Bronchial Hyperreactivity
- Bronchiolitis

- Celiac Disease
- Chlamydia Infections
- Coronary Artery Disease
- Diabetes Mellitus
- Eosinophilia
- Fibrosis
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma
- Hepatitis C
- HIV Infections
- Hypersensitivity
- Hypertension
- Infant
- Inflammation
- Leukemia
- Liver Cirrhosis
- Lung Neoplasms
- Lymphoma
- Meningeal Neoplasms
- Meningioma
- Migraine Disorders
- Mucocutaneous Lymph Node Syndrome
- Obesity
- Osteoporosis

- Ovarian Failure
- Pneumonia
- Polycystic Ovary Syndrome
- Puberty
- Pulmonary Disease
- Respiratory Syncytial Virus Infections
- Rhinitis
- Schizophrenia
- Stroke
- Thrombophilia
- Tobacco Use Disorder
- Trachoma
- Urinary Bladder Neoplasms
- Werner syndrome