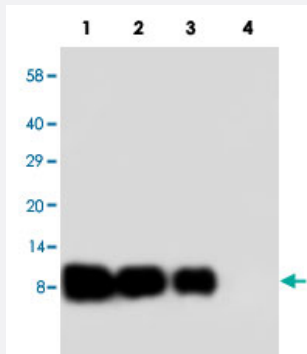


IL8 polyclonal antibody

Catalog # PAB19092 Size 100 ug

Applications



Western Blot

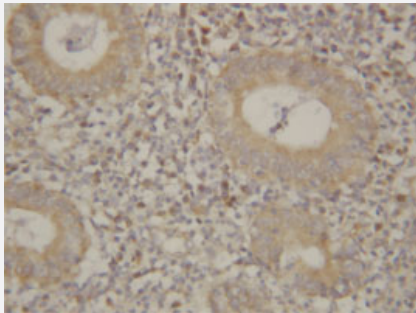
Western blot analysis of IL8 polyclonal antibody (Cat # PAB19092).

Lane 1 : recombinant IL8 protein 20 ng.

Lane 2 : recombinant IL8 protein 10 ng.

Lane 3 : recombinant IL8 protein 5 ng.

Lane 4 : Raji whole cell lysate.



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

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) of human appendicitis tissue with IL8 polyclonal antibody (Cat # PAB19092).

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of IL8.

Immunogen

A synthetic peptide corresponding to amino acids 77-95 at C-terminus of human IL8.

Sequence

CLDPKENWWQRVVEKFLKR

Host

Rabbit

Reactivity

Human

Form

Lyophilized

Purification	Immunoaffinity purification
Isotype	IgG
Recommend Usage	Western Blot (1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ (5 mg BSA, 0.05 mg sodium azide, 0.05 mg Thimerosal)
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with 200 uL of deionized water and concentration will be 500 ug/mL, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide and thimerosal: POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of IL8 polyclonal antibody (Cat # PAB19092).

Lane 1 : recombinant IL8 protein 20 ng.

Lane 2 : recombinant IL8 protein 10 ng.

Lane 3 : recombinant IL8 protein 5 ng.

Lane 4 : Raji whole cell lysate.

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

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) of human appendicitis tissue with IL8 polyclonal antibody (Cat # PAB19092).

Gene Info — IL8

Entrez GeneID	3576
Gene Name	IL8
Gene Alias	CXCL8, GCP-1, GCP1, LECT, LUCT, LYNAP, MDNCF, MONAP, NAF, NAP-1, NAP1
Gene Description	interleukin 8
Omim ID	146930
Gene Ontology	Hyperlink

Gene Summary

The protein encoded by this gene is a member of the CXC chemokine family. This chemokine is one of the major mediators of the inflammatory response. This chemokine is secreted by several cell types. It functions as a chemoattractant, and is also a potent angiogenic factor. This gene is believed to play a role in the pathogenesis of bronchiolitis, a common respiratory tract disease caused by viral infection. This gene and other ten members of the CXC chemokine gene family form a chemokine gene cluster in a region mapped to chromosome 4q. [provided by RefSeq]

Other Designations

T cell chemotactic factor|beta-thromboglobulin-like protein|chemokine (C-X-C motif) ligand 8|emoctakin|granulocyte chemotactic protein 1|lymphocyte-derived neutrophil-activating factor|monocyte-derived neutrophil chemotactic factor|neutrophil-activating p

Publication Reference

- [IL-8 induces the epithelial-mesenchymal transition of renal cell carcinoma cells through the activation of AKT signaling.](#)

Zhou N,Lu F,Liu C,Xu K,Huang J,Yu D.

Oncology Letters 2016 Sep; 12(3):1915.

Application: Treated, Recombinant protein

- [CXCR1 as a novel target for directing reactive T cells toward melanoma: implications for adoptive cell transfer immunotherapy.](#)

Sapoznik S, Ortenberg R, Galore-Haskel G, Kozlovski S, Levy D, Avivi C, Barshack I, Cohen CJ, Besser MJ, Schachter J, Markel G.

Cancer Immunology, Immunotherapy 2012 Oct; 61(10):1833.

Application: IHC, Human, N/A

Pathway

- [Bladder cancer](#)
- [Chemokine signaling pathway](#)
- [Cytokine-cytokine receptor interaction](#)
- [Epithelial cell signaling in Helicobacter pylori infection](#)
- [Pathways in cancer](#)
- [Toll-like receptor signaling pathway](#)

Disease

- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Adenomatous Polyps](#)
- [Alcoholism](#)
- [Alzheimer disease](#)
- [Appetite](#)
- [Arthritis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Atrophy](#)
- [Bacterial Infections](#)
- [Barrett Esophagus](#)
- [Behcet Syndrome](#)
- [Biliary Tract Neoplasms](#)
- [Birth Weight](#)
- [Blindness](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchial Hyperreactivity](#)
- [Bronchiolitis](#)
- [Cachexia](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cerebral Palsy](#)

- [Cerebrovascular Accident](#)
- [Chlamydophila Infections](#)
- [Chorioamnionitis](#)
- [Choroidal Neovascularization](#)
- [Chronic Disease](#)
- [Colitis](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colonic Polyps](#)
- [Colorectal Neoplasms](#)
- [Connective Tissue Diseases](#)
- [Coronary Artery Disease](#)
- [Coronary Restenosis](#)
- [Cystic fibrosis](#)
- [Cytomegalovirus Infections](#)
- [Dementia](#)
- [Dermatitis](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Diarrhea](#)
- [Disease Models](#)
- [Disease Progression](#)
- [Ductus Arteriosus](#)
- [Duodenal Ulcer](#)
- [Edema](#)

- [Enterocolitis](#)
- [Enterovirus Infections](#)
- [Epilepsy](#)
- [Esophageal Neoplasms](#)
- [Esophagitis](#)
- [Fatigue](#)
- [Fetal Diseases](#)
- [Fetal Membranes](#)
- [Fever](#)
- [Gastritis](#)
- [Genetic Predisposition to Disease](#)
- [Genomic Instability](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Gram-Negative Bacterial Infections](#)
- [Graves Disease](#)
- [Helicobacter Infections](#)
- [Hematologic Diseases](#)
- [Hernia](#)
- [Herpesviridae Infections](#)
- [HIV Infections](#)
- [Hodgkin Disease](#)
- [Hypersensitivity](#)
- [Infant](#)
- [Infection](#)

- [Inflammation](#)
- [Ischemia](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Laryngeal Neoplasms](#)
- [Leiomyoma](#)
- [Leukemia](#)
- [Lichen Planus](#)
- [Liver Cirrhosis](#)
- [Lung Diseases](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lymphadenitis](#)
- [Lymphatic Metastasis](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Macular Degeneration](#)
- [Maduromycosis](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Metabolic Syndrome X](#)
- [Metaplasia](#)
- [Mouth Neoplasms](#)
- [Multiple Myeloma](#)

- [Multiple Organ Failure](#)
- [Multiple Sclerosis](#)
- [Multiple System Atrophy](#)
- [Multiple Trauma](#)
- [Musculoskeletal Diseases](#)
- [Mycobacterium Infections](#)
- [Myocardial Infarction](#)
- [Nasopharyngeal Neoplasms](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Neovascularization](#)
- [Nephritis](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Occupational Diseases](#)
- [Osteoarthritis](#)
- [Osteoporosis](#)
- [Otitis Media](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pain](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Pancreatitis](#)
- [Papillomavirus Infections](#)

- [Parkinson disease](#)
- [Pemphigoid](#)
- [Peptic Ulcer](#)
- [Periodontitis](#)
- [Pharyngeal Neoplasms](#)
- [Postoperative Complications](#)
- [Precancerous Conditions](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Prenatal Exposure Delayed Effects](#)
- [Prostate cancer](#)
- [Prostatic Hyperplasia](#)
- [Prostatic Neoplasms](#)
- [Psoriasis](#)
- [Puerperal Disorders](#)
- [Pulmonary Disease](#)
- [Purpura](#)
- [Pyelonephritis](#)
- [Radiation Injuries](#)
- [Radiation Pneumonitis](#)
- [Rectal Neoplasms](#)
- [Recurrence](#)
- [Respiratory Distress Syndrome](#)
- [Respiratory Sounds](#)
- [Respiratory Syncytial Virus Infections](#)

- [Respiratory Tract Diseases](#)
- [Retinal Vein Occlusion](#)
- [Sarcoma](#)
- [Scleroderma](#)
- [Seizures](#)
- [Sepsis](#)
- [Skin Diseases](#)
- [Skin Neoplasms](#)
- [Stomach Diseases](#)
- [Stomach Neoplasms](#)
- [Stomach Ulcer](#)
- [Streptococcal Infections](#)
- [Systemic Inflammatory Response Syndrome](#)
- [Tongue Neoplasms](#)
- [Trachoma](#)
- [Trypanosomiasis](#)
- [Tuberculosis](#)
- [Urinary Bladder Neoplasms](#)
- [Urinary Tract Infections](#)
- [Uterine Cervical Neoplasms](#)
- [Uterine Neoplasms](#)
- [Vaginal Diseases](#)
- [Vaginitis](#)
- [Vesico-Ureteral Reflux](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)