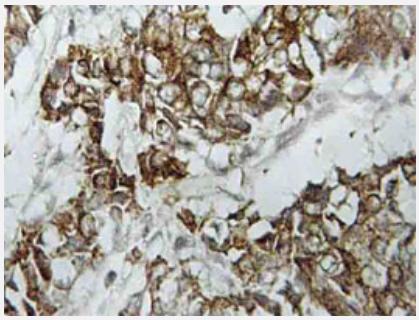
HLA-DQA1 polyclonal antibody

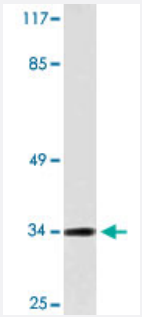
Catalog # PAB25108 Size 100 uL

Applications



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

Immunohistochemical analysis of paraffin-embedded human breast cancer tissue using HLA-DQA1 polyclonal antibody (Cat # PAB25108).



Western Blot (Cell lysate)

Western blot analysis of COLO 205 cell lysate with HLA-DQA1 polyclonal antibody (Cat # PAB25108).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of HLA-DQA1.
Immunogen	A synthetic peptide corresponding to HLA-DQA1.
Host	Rabbit
Theoretical MW (kDa)	34
Reactivity	Human
Specificity	HLA-DQA1 polyclonal antibody detects endogenous levels of HLA-DQA1 protein.
Form	Liquid

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Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (0.05% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. 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

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

  Immunohistochemical analysis of paraffin-embedded human breast cancer tissue using HLA-DQA1 polyclonal antibody (Cat # PAB25108).

- Western Blot (Cell lysate)

  Western blot analysis of COLO 205 cell lysate with HLA-DQA1 polyclonal antibody (Cat # PAB25108).

Gene Info — HLA-DQA1

Entrez GeneID	3117
Gene Name	HLA-DQA1
Gene Alias	CD, CELIAC1, DQ-A1, FLJ27088, FLJ27328, GSE, HLA-DQA, MGC149527
Gene Description	major histocompatibility complex, class II, DQ alpha 1
Omim ID	146880 212750
Gene Ontology	Hyperlink

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Gene Summary	HLA-DQA1 belongs to the HLA class II alpha chain paralogues. The class II molecule is a heterodimer consisting of an alpha (DQA) and a beta chain (DQB), both anchored in the membrane. It plays a central role in the immune system by presenting peptides derived from extracellular proteins. Class II molecules are expressed in antigen presenting cells (APC: B Lymphocytes, dendritic cells, macrophages). The alpha chain is approximately 33-35 kDa. It is encoded by 5 exons; exon 1 encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, and exon 4 encodes the transmembrane domain and the cytoplasmic tail. Within the DQ molecule both the alpha chain and the beta chain contain the polymorphisms specifying the peptide binding specificities, resulting in up to four different molecules. Typing for these polymorphisms is routinely done for bone marrow transplantation. [provided by RefSeq
Other Designations	Gluten-sensitive enteropathy (celiac disease)|MHC HLA-DQ alpha|MHC class II HLA-D alpha glycoprotein|MHC class II HLA-DQ-alpha-1|MHC class II antigen|MHC class II surface glycoprotein|OTTHUMP00000029141|OTTHUMP00000176885|OTTHUMP00000178551|OTTHUMP0000017

Pathway

- Allograft rejection
- Antigen processing and presentation
- Asthma
- Autoimmune thyroid disease
- Cell adhesion molecules (CAMs)
- Graft-versus-host disease
- Systemic lupus erythematosus
- Type I diabetes mellitus

Disease

- Abortion
- Acute Disease
- Addison Disease
- Adenocarcinoma
- Adrenal hyperplasia
- Adrenal Insufficiency

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- Alopecia
- Alopecia Areata
- Antiphospholipid Syndrome
- Aortic Aneurysm
- Arthritis
- Asthma
- Atherosclerosis
- Atrophy
- Autoimmune Diseases
- Autoimmune polyglandular syndrome
- Berylliosis
- Biliary Atresia
- Bipolar Disorder
- Birth Weight
- Blood Group Incompatibility
- Breast cancer
- Breast Neoplasms
- Bronchiectasis
- Calcinosis
- Carcinoma
- Cardiomyopathy
- Cardiovascular Diseases
- Cataplexy
- Celiac Disease
- Cerebral Infarction
- Cerebrovascular Accident

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- Chagas Disease
- Chlamydia Infections
- Cholangitis
- Cholestasis
- Chronic Disease
- Colitis
- Colorectal Neoplasms
- Cough
- Crohn Disease
- Cryoglobulinemia
- Cytomegalovirus Infections
- Dermatitis
- Dermatomyositis
- Diabetes
- Diabetes Mellitus
- Diabetic Angiopathies
- Diabetic Ketoacidosis
- Diabetic Nephropathies
- Diabetic Retinopathy
- Diarrhea
- Disease Progression
- Disease Susceptibility
- Diseases in Twins
- Drug Eruptions
- Drug Hypersensitivity
- Duodenal Ulcer

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- Dyspepsia
- Eczema
- Edema
- Encephalomyelitis
- Endometriosis
- Endometritis
- Eosinophilia-Myalgia Syndrome
- Eye Infections
- Fallopian Tube Diseases
- Fatigue Syndrome
- Gastritis
- Gastroenteritis
- Gastrointestinal Diseases
- Genetic Predisposition to Disease
- Glomerulonephritis
- Goiter
- Gonorrhea
- Graft vs Host Disease
- Graves Disease
- Growth Disorders
- Guillain-Barre Syndrome
- Hashimoto Disease
- Helicobacter Infections
- Hematologic Neoplasms
- Hepatitis
- Hepatitis B

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- Hepatitis C
- Histoplasmosis
- HIV Infections
- HIV Seropositivity
- Hyperplasia
- Hypersensitivity
- Hypertension
- IgA Deficiency
- Infection
- Infertility
- Inflammation
- Inflammatory Bowel Diseases
- Jaundice
- Joint Diseases
- Keloid
- Kidney Failure
- Kidney Neoplasms
- Lambert-Eaton Myasthenic Syndrome
- Leishmaniasis
- Leprosy
- Leukemia
- Liver Cirrhosis
- Liver Failure
- Liver Neoplasms
- Lung carcinoma
- Lung Diseases

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- Lung Neoplasms
- Lupus Erythematosus
- Lupus Nephritis
- Lymphoma
- Malaria
- Malignant melanoma
- Melanoma
- Metaplasia
- Multiple Sclerosis
- Myasthenia Gravis
- Myocardial Infarction
- Myositis
- Narcolepsy
- Nasal Polyps
- Nasopharyngeal Neoplasms
- Neoplasm Invasiveness
- Neoplasms
- Neovascularization
- Neuromyelitis Optica
- Neutropenia
- Obesity
- Occupational Diseases
- Ophthalmia
- Optic Neuritis
- Osteoarthritis
- Osteoporosis

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- Ovarian cancer
- Ovarian Neoplasms
- Papilloma
- Papillomavirus Infections
- Parasitemia
- Parkinson disease
- Pelvic Inflammatory Disease
- Pemphigoid
- Pemphigus
- Phenylketonuria
- Philadelphia Chromosome
- Polyendocrinopathies
- Polymyositis
- Prediabetic State
- Pre-Eclampsia
- Pregnancy Complications
- Pregnancy in Diabetics
- Psoriasis
- Puerperal Disorders
- Purpura
- Recurrence
- Respiratory Hypersensitivity
- Respiratory Tract Infections
- Respiratory Tract Neoplasms
- Rheumatic Diseases
- Rheumatic Fever

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- Rheumatic Heart Disease
- Rhinitis
- Sarcoidosis
- Schistosomiasis
- Schistosomiasis japonica
- Schizophrenia
- Scleroderma
- Seminoma
- Severe Acute Respiratory Syndrome
- Skin Neoplasms
- Spondylarthritis
- Spondylitis
- Stomach Neoplasms
- Stomach Ulcer
- Substance Abuse
- Thromboembolism
- Thymoma
- Thymus Neoplasms
- Thyroid Diseases
- Thyroid Neoplasms
- Thyroiditis
- Tuberculosis
- Tumor Virus Infections

- Urticaria
- Uterine Cervical Neoplasms

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- Uveitis
- Viremia
- Vitiligo
- Warts

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