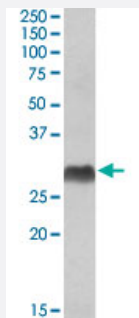


HLA-DQA2/HLA-DQA1 polyclonal antibody

Catalog # PAB19063

Size 100 ug

Applications



Western Blot (Tissue lysate)

HLA-DQA2/HLA-DQA1 polyclonal antibody (Cat # PAB19063) (1 ug/mL) staining of human bone marrow lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of HLA-DQA2.
Immunogen	A synthetic peptide corresponding to amino acids at C-terminus of human HLA-DQA2.
Sequence	C-QGLRSVGASRH
Host	Goat
Theoretical MW (kDa)	28
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:32000) Western Blot (1-3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH7.3 (0.5% BSA, 0.02% sodium azide)

Storage Instruction

Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

HLA-DQA2/HLA-DQA1 polyclonal antibody (Cat # PAB19063) (1 ug/mL) staining of human bone marrow lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — HLA-DQA1

Entrez GeneID[3117](#)**Protein Accession#**[NP_064440.1 \(Gene ID : 3118\);NP_002113.2 \(Gene ID : 3117\)](#)**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](#)**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

Gene Info — HLA-DQA2

Entrez GeneID	3118
Protein Accession#	NP_064440.1 (Gene ID : 3118);NP_002113.2 (Gene ID : 3117)
Gene Name	HLA-DQA2
Gene Alias	HLA-DXA
Gene Description	major histocompatibility complex, class II, DQ alpha 2
Gene Ontology	Hyperlink
Gene Summary	class II
Other Designations	OTTHUMP00000029144

Pathway

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

- [Type I diabetes mellitus](#)

Disease

- [Abortion](#)
- [Abortion](#)
- [Acute Disease](#)
- [Addison Disease](#)
- [Adenocarcinoma](#)
- [Adrenal hyperplasia](#)
- [Adrenal Insufficiency](#)
- [Alopecia](#)
- [Alopecia Areata](#)
- [Antiphospholipid Syndrome](#)
- [Aortic Aneurysm](#)
- [Arthritis](#)
- [Arthritis](#)
- [Asthma](#)
- [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](#)
- [Chagas Disease](#)
- [Chlamydia Infections](#)
- [Cholangitis](#)
- [Cholestasis](#)
- [Chronic Disease](#)
- [Colitis](#)
- [Colorectal Neoplasms](#)
- [Cough](#)
- [Crohn Disease](#)
- [Cryoglobulinemia](#)
- [Cytomegalovirus Infections](#)
- [Dermatitis](#)
- [Dermatomyositis](#)
- [Diabetes](#)

- [Diabetes Mellitus](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Diabetic Ketoacidosis](#)
- [Diabetic Nephropathies](#)
- [Diabetic Retinopathy](#)
- [Diarrhea](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Diseases in Twins](#)
- [Drug Eruptions](#)
- [Drug Hypersensitivity](#)
- [Duodenal Ulcer](#)
- [Dyspepsia](#)
- [Eczema](#)
- [Edema](#)
- [Encephalomyelitis](#)
- [Endometriosis](#)
- [Endometritis](#)
- [Eosinophilia-Myalgia Syndrome](#)
- [Eye Infections](#)
- [Fallopian Tube Diseases](#)
- [Fatigue Syndrome](#)
- [Gastritis](#)
- [Gastroenteritis](#)
- [Gastrointestinal Diseases](#)

- [Genetic Predisposition to Disease](#)
- [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](#)
- [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](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lupus Erythematosus](#)
- [Lupus Nephritis](#)
- [Lymphoma](#)
- [Malaria](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Metaplasia](#)
- [Multiple Sclerosis](#)
- [Myasthenia Gravis](#)

- [Myocardial Infarction](#)
- [Myositis](#)
- [Narcolepsy](#)
- [Narcolepsy](#)
- [Nasal Polyps](#)
- [Nasopharyngeal Neoplasms](#)
- [Neoplasm Invasiveness](#)
- [Neoplasms](#)
- [Neovascularization](#)
- [Neuromyelitis Optica](#)
- [Neutropenia](#)
- [Obesity](#)
- [Occupational Diseases](#)
- [Ophthalmia](#)
- [Optic Neuritis](#)
- [Osteoarthritis](#)
- [Osteoporosis](#)
- [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](#)
- [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](#)
- [Uveitis](#)
- [Viremia](#)
- [Vitiligo](#)
- [Warts](#)