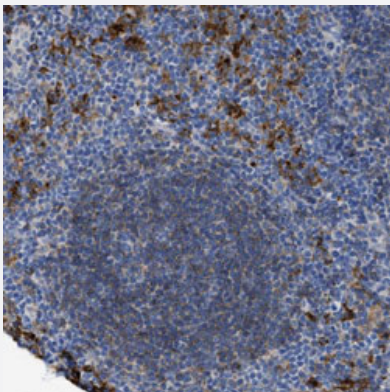


HLA-DPA1 polyclonal antibody

Catalog # PAB30895 Size 100 uL

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human lymph node with HLA-DPA1 polyclonal antibody (Cat # PAB30895) shows strong cytoplasmic positivity in lymphoid cells outside reaction centra.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human HLA-DPA1.
Immunogen	Recombinant protein corresponding to human HLA-DPA1.
Sequence	RPTGEFMFEFDEDEMFYVDLDKKETVWHLEEFGQAFSFEAQGGLANIAILNNNLNTLIQRSNHTQ ATNDPPEVTVFPKEPVELGQPNTLICHIDKFFPPVLNVTWLCNGELVTEGVAESLFLPRTDYSFHK FHYLTF
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:20-1:50) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% 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 should be handled by trained staff only.

Applications

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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human lymph node with HLA-DPA1 polyclonal antibody (Cat # PAB30895) shows strong cytoplasmic positivity in lymphoid cells outside reaction centra.

Gene Info — HLA-DPA1

Entrez GeneID	3113
Protein Accession#	P20036
Gene Name	HLA-DPA1
Gene Alias	HLA-DP1A, HLADP, HLASB
Gene Description	major histocompatibility complex, class II, DP alpha 1
Omim ID	142880
Gene Ontology	Hyperlink

Gene Summary	HLA-DPA1 belongs to the HLA class II alpha chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DPA) and a beta (DPB) chain, 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 and its gene contains 5 exons. Exon one encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, exon 4 encodes the transmembrane domain and the cytoplasmic tail. Within the DP molecule both the alpha chain and the beta chain contain the polymorphisms specifying the peptide binding specificities, resulting in up to 4 different molecules. [provided by RefSeq]
---------------------	---

Other Designations	HLA class II histocompatibility antigen, DP alpha chain MHC class II HLA-DPA1 antigen MHC class II antigen OTTHUMP00000029066 OTTHUMP00000062983
---------------------------	--

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

- [Alveolitis](#)
- [Berylliosis](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Cholestasis](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Encephalomyelitis](#)
- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)
- [Hematologic Neoplasms](#)
- [Hepatitis B](#)
- [HIV Infections](#)
- [HIV Seropositivity](#)

- [Inflammatory Bowel Diseases](#)
- [Leishmaniasis](#)
- [Leukemia](#)
- [Lupus Erythematosus](#)
- [Nasopharyngeal Neoplasms](#)
- [Obesity](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Schistosomiasis japonica](#)