

DNAxPAb

Hard-to-Find
Antibody

HLA-DRB4 DNAxPab

Catalog # H00003126-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a partial-length human HLA-DRB4 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Extracellular membrane domain (ECD) human DNA
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — HLA-DRB4

Entrez GeneID	3126
GeneBank Accession#	NM_021983.4
Protein Accession#	NP_068818.4
Gene Name	HLA-DRB4
Gene Alias	DRB4, HLA-DR4B
Gene Description	major histocompatibility complex, class II, DR beta 4
Gene Ontology	Hyperlink
Gene Summary	HLA-DRB4 belongs to the HLA class II beta chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DRA) and a beta (DRB) 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 beta chain is approximately 26-28 kDa and its gene contains 6 exons. Exon one encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, exon 4 encodes the transmembrane domain and exon 5 encodes the cytoplasmic tail. Within the DR molecule the beta chain contains all the polymorphisms specifying the peptide binding specificities. Typing for these polymorphisms is routinely done for bone marrow and kidney transplantation. DRB1 is expressed at a level five times higher than its paralogues DRB3, DRB4 and DRB5. The presence of DRB4 is linked with allelic variants of DRB1, otherwise it is omitted. There are 4 related pseudogenes: DRB2, DRB6, DRB7, DRB8 and DRB9. [provided by RefSeq]
Other Designations	DRB1 transplantation antigen HLA DRB1*1202 MHC HLA DR-beta chain MHC class II HLA-DR-beta-7 MHC class II antigen HLA-DR-beta MHC class II antigen HLA-DRB1 MHC class2 antigen class II histocompatibility antigen HLA DR alpha, beta1-0307 human leucocyte anti

Pathway

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

Disease

- [Abortion](#)
- [Abruptio Placentae](#)
- [Alveolar Bone Loss](#)
- [Aortic Aneurysm](#)
- [Asthma](#)
- [Bronchiolitis](#)
- [Cataplexy](#)
- [Churg-Strauss Syndrome](#)
- [Colitis](#)
- [Dementia](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)
- [Gingival Hemorrhage](#)
- [Graft vs Host Disease](#)
- [Hallucinations](#)
- [Hepatitis](#)
- [HIV Infections](#)
- [Inflammation](#)
- [Latex Hypersensitivity](#)
- [Leukemia](#)
- [Lewy Body Disease](#)
- [Lupus Erythematosus](#)
- [Narcolepsy](#)
- [Nevus](#)

- [Occupational Diseases](#)
- [Periodontal Attachment Loss](#)
- [Periodontitis](#)
- [Pityriasis Rosea](#)
- [Psoriasis](#)
- [Purpura](#)
- [Recurrence](#)
- [Rhinitis](#)
- [Sarcoidosis](#)
- [Sarcoma](#)
- [Scleroderma](#)
- [Spinal Dysraphism](#)
- [Thyroiditis](#)
- [Tuberculosis](#)
- [Vitiligo](#)