

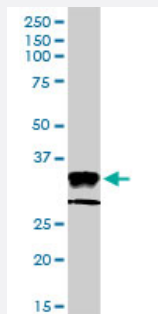
MaxPab®

HLA-DPA1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00003113-D01P

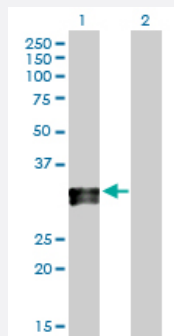
Size 100 ug

Applications



Western Blot (Tissue lysate)

HLA-DPA1 MaxPab rabbit polyclonal antibody. Western Blot analysis of HLA-DPA1 expression in human kidney.



Western Blot (Transfected lysate)

Western Blot analysis of HLA-DPA1 expression in transfected 293T cell line ([H00003113-T02](#)) by HLA-DPA1 MaxPab polyclonal antibody.

Lane 1: HLA-DPA1 transfected lysate(29.30 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human HLA-DPA1 protein.
Immunogen	HLA-DPA1 (AAH09956.1, 1 a.a. ~ 260 a.a) full-length human protein.
Sequence	MRPEDRMFHIRAVILRALSLAFLLSLRGAGAIKADHVSTYAAFVQTHRPTGEFMFEFDEDEQFYVD LDKKETVWHLEEFGRAFSFEAQGGLANIAILNNLNLTLIQRSNHTQAANDPPEVTVFPKEPVELGQ PNTLICHIDRFFPPVLNVTWLCNGEPVTEGVAESLFLPRTDYSFHKFHYLTFVPSAEDVYDCRVEH WGLDQPLLKHWEAQEPIQMPETTETVLCALGLVLGLVGIVGTVLIKSLRSGHDPRAQGGL
Host	Rabbit
Reactivity	Human

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.

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- Western Blot (Tissue lysate)

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[Protocol Download](#)

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Western Blot analysis of HLA-DPA1 expression in transfected 293T cell line ([H00003113-T02](#)) by HLA-DPA1 MaxPab polyclonal antibody.

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[Protocol Download](#)

Gene Info — HLA-DPA1

Entrez GeneID	3113
GeneBank Accession#	BC009956
Protein Accession#	AAH09956.1
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](#)
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