

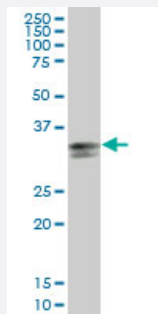
MaxPab®

# HLA-DPA1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00003113-B01P

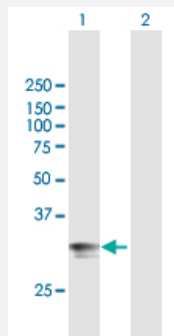
Size 50 ug

## Applications



### Western Blot (Tissue lysate)

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



### Western Blot (Transfected lysate)

Western Blot analysis of HLA-DPA1 expression in transfected 293T cell line ([H00003113-T01](#)) by HLA-DPA1 MaxPab polyclonal antibody.

Lane 1: HLA-DPA1 transfected lysate(28.6 KDa).

Lane 2: Non-transfected lysate.

## Specification

|                     |                                                                                                                                                                                                                                                                                |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description | Mouse 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<br>LDKKETVWHLEEFGRAFSFEAQGGLANIAILNNLNLTILQRSNHTQAANDPPEVTVFPKEPVELGQ<br>PNTLICHIDRFFPPVLNVTWLCNGEPVTEGVAESLFLPRTDYSFHKFHLYTFVPSAEDVYDCRVEH<br>WGLDQPLLKHWEAQEPIQMPETTETVLCALGLVLGLVGIVGTVLIKSLRSGHDPRAQGGL |
| Host                | Mouse                                                                                                                                                                                                                                                                          |
| 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. |

## Applications

- Western Blot (Tissue lysate)

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

[Protocol Download](#)

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Western Blot analysis of HLA-DPA1 expression in transfected 293T cell line ([H00003113-T01](#)) by HLA-DPA1 MaxPab polyclonal antibody.

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[Protocol Download](#)

## Gene Info — HLA-DPA1

|                     |                                                        |
|---------------------|--------------------------------------------------------|
| Entrez GeneID       | <a href="#">3113</a>                                   |
| GeneBank Accession# | <a href="#">BC009956</a>                               |
| Protein Accession#  | <a href="#">AAH09956.1</a>                             |
| Gene Name           | HLA-DPA1                                               |
| Gene Alias          | HLA-DP1A, HLADP, HLASB                                 |
| Gene Description    | major histocompatibility complex, class II, DP alpha 1 |
| Omim ID             | <a href="#">142880</a>                                 |
| Gene Ontology       | <a href="#">Hyperlink</a>                              |

## 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

## Publication Reference

- [Gain in brain immunity in the oldest-old differentiates cognitively normal from demented individuals.](#)

Katsel P, Tan W, Haroutunian V.

PLoS One 2009 Oct; 4(10):e7642.

Application: WB-Ti, Human, Human cortex

## 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](#)
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- [Schistosomiasis japonica](#)