

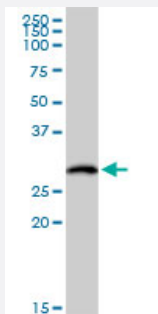
MaxPab®

HLA-DOB MaxPab rabbit polyclonal antibody (D01)

Catalog # H00003112-D01

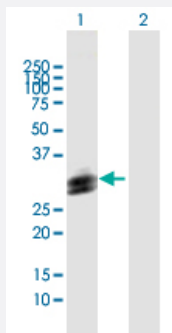
Size 100 uL

Applications



Western Blot (Tissue lysate)

HLA-DOB MaxPab rabbit polyclonal antibody. Western Blot analysis of HLA-DOB expression in human placenta.

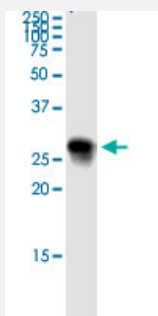


Western Blot (Transfected lysate)

Western Blot analysis of HLA-DOB expression in transfected 293T cell line ([H00003112-T01](#)) by HLA-DOB MaxPab polyclonal antibody.

Lane 1: HLA-DOB transfected lysate(30.80 KDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of HLA-DOB transfected lysate using anti-HLA-DOB MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with HLA-DOB purified MaxPab mouse polyclonal antibody (B01P) ([H00003112-B01P](#)).

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human HLA-DOB protein.

Immunogen	HLA-DOB (NP_002111.1, 1 a.a. ~ 273 a.a) full-length human protein.
Sequence	MGSGWVPWVVALLVNLRLDSSMTQGTDSPEDFVIQAKADCYFTNGTEKVQFVVRFIFNLEEYV RFDSVDVGMFVALTKLGQPDAEQWNSRLDLLERSRQAVDGVCRHNYRLGAPFTVGRKVQPEVTY YPERTPLLHQHNLLHCSVTGFYPGDIKIKWFLNGQEERAGVMSTGPIRNGDWTFQTVVMLEMTPE LGHVYTCLVDHSSLLSPVSVEWRAQSEYSWRKMLSGIAAFLGLIFLLVGIVQLRAQKGYVRTQM SGNEVSRVLLPQSC
Host	Rabbit
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

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[Protocol Download](#)

Gene Info — HLA-DOB

Entrez GeneID [3112](#)

GeneBank Accession# [NM_002120](#)

Protein Accession#	NP_002111.1
Gene Name	HLA-DOB
Gene Alias	DOB
Gene Description	major histocompatibility complex, class II, DO beta
Omim ID	600629
Gene Ontology	Hyperlink
Gene Summary	HLA-DOB belongs to the HLA class II beta chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DOA) and a beta chain (DOB), both anchored in the membrane. It is located in intracellular vesicles. DO suppresses peptide loading of MHC class II molecules by inhibiting HLA-DM. 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. [provided by RefSeq]
Other Designations	HLA class II histocompatibility antigen, DO beta chain OTTHUMP00000029312 class II beta chain

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

- [Genetic Predisposition to Disease](#)
- [Lupus Erythematosus](#)

- [Tobacco Use Disorder](#)