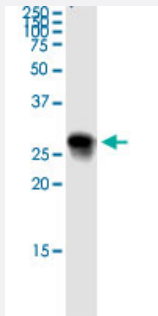


HLA-DOB (Human) IP-WB Antibody Pair

Catalog # H00003112-PW2

Size 1 Set

Applications



Immunoprecipitation of HLA-DOB transfected lysate using rabbit polyclonal anti-HLA-DOB and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with mouse purified polyclonal anti-HLA-DOB.

Specification

Product Description	This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot.
Reactivity	Human
Quality Control Testing	Immunoprecipitation-Western Blot (IP-WB) Immunoprecipitation of HLA-DOB transfected lysate using rabbit polyclonal anti-HLA-DOB and Protein A Magnetic Bead (U0007), and immunoblotted with mouse purified polyclonal anti-HLA-DOB.
Supplied Product	Antibody pair set content: 1. Antibody pair for IP: rabbit polyclonal anti-HLA-DOB (300 ul) 2. Antibody pair for WB: mouse purified polyclonal anti-HLA-DOB (50 ug)
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- Immunoprecipitation-Western Blot

[Protocol Download](#)

Gene Info — HLA-DOB

Entrez GeneID [3112](#)

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](#)