# antibodies -online.com









# Oo to rrouder page

Overview	
Quantity:	100 μL
Target:	HLA-DPB1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HLA-DPB1 antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	Recombinant protein encompassing a sequence within the center region of human HLA-DPB1.  The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Rabbit Polyclonal antibody to HLA-DPB1 (major histocompatibility complex, class II, DP beta 1) HLA-DPB1 antibody
Purification:	Purified by antigen-affinity chromatography.
Target Details	
Target:	HLA-DPB1
Alternative Name:	major histocompatibility complex, class II, DP beta 1 (HLA-DPB1 Products)

## Target Details

Background:
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HLA-DPB belongs to the HLA class II beta chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DPA) and a beta chain (DPB), 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 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.

Cellular Localization: Membrane, Single-pass type I membrane protein

Molecular	Weight:

29 kDa

P04440

Gene ID:

3115

UniProt:
Pathways:

TCR Signaling, Cancer Immune Checkpoints, Human Leukocyte Antigen (HLA) in Adaptive

Immune Response

#### **Application Details**

Application Notes:

WB: 1:500-1:3000. Optimal dilutions/concentrations should be determined by the researcher.

Not tested in other applications.

Comment:

Positive Control: Raji

Restrictions:

For Research Use only

#### Handling

Format:

Liquid

Concentration:

1 mg/mL

Buffer:

1XPBS (pH 7), 1 % BSA, 20 % Glycerol, 0.01 % Thimerosal

Preservative:

Thimerosal (Merthiolate)

Precaution of Use:

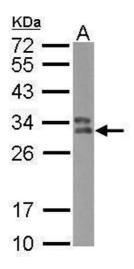
This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE

which should be handled by trained staff only.

## Handling

Storage: 4	· °C,-20 °C
(1	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage 1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid nultiple freeze-thaw cycles.

## **Images**



# **Western Blotting**

**Image 1.** WB Image Sample (30 ug of whole cell lysate) A: Raji 12% SDS PAGE antibody diluted at 1:500