

# HLA-DPB1 Rabbit Polyclonal Antibody



CAB16874

## Product Information

**Size:**

20uL, 50uL, 100uL, 200uL

**Observed MW:**

29kDa

**Calculated MW:**

29kDa

**Applications:**

WB

**Reactivity:**

Mouse

## Protein Background

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.

## Immunogen information

**Gene ID:**

3115

**Uniprot**

P04440

## Antibody Information

**Recommended dilutions:**

WB 1:500 - 1:2000

**Source:**

Rabbit

**Synonyms:**

DPB1; HLA-DP; HLA-DP1B; HLA-DPB; HLA-DPB1; major histocompatibility complex; class II; DP beta 1

**Isotype:**

IgG

**Immunogen:**

A synthetic peptide of human HLA-DPB1.

**Storage:**

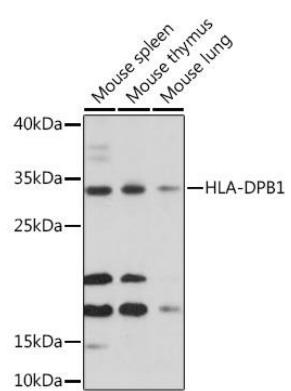
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Purification:**

Affinity purification

## Product Images

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Western blot - HLA-DPB1 Rabbit pAb (CAB16874)