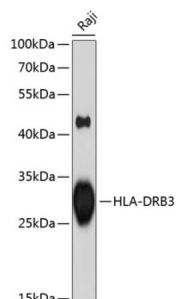


## Major Histocompatibility Complex, Class II, DR Beta 3 (HLA-DRB3) Antibody

Catalogue No.: abx001355



Western blot analysis of extracts of Raji cells using HLA-DRB3 Antibody (1/1000 dilution).

HLA-DRB3 Antibody is a Rabbit Polyclonal antibody against HLA-DRB3. HLA-DRB3 belongs to the HLA class II beta chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DRA) and a beta (DRB) 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 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 DR molecule the beta chain contains all the polymorphisms specifying the peptide binding specificities. Typing for these polymorphisms is routinely done for bone marrow and kidney transplantation. DRB1 is expressed at a level five times higher than its paralogues DRB3, DRB4 and DRB5. The presence of DRB3 is linked with allelic variants of DRB1, otherwise it is omitted. There are 4 related pseudogenes: DRB2, DRB6, DRB7, DRB8 and DRB9. [provided by RefSeq, Jul 2008].

**Target:** Major Histocompatibility Complex, Class II, DR Beta 3 (HLA-DRB3)

**Clonality:** Polyclonal

**Reactivity:** Human

**Tested Applications:** WB

**Host:** Rabbit

**Recommended dilutions:** WB: 1/500 - 1/2000. Optimal dilutions/concentrations should be determined by the end user.

**Conjugation:** Unconjugated

**Immunogen:** Recombinant fusion protein corresponding to human HLA-DRB3

**Isotype:** IgG

**Form:** Liquid

**Purification:** Purified by affinity chromatography.

# Datasheet

Version: 4.0.0  
Revision date: 16 Oct 2025



**Storage:** Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

**UniProt Primary AC:** P79483 ([UniProt](#), [ExPASy](#))

**Gene Symbol:** HLA-DRB3

**GeneID:** [3125](#)

**NCBI Accession:** NP\_072049.2

**KEGG:** hsa:3125

**Molecular Weight:** Calculated MW: 29 kDa  
Observed MW: 30 kDa

**Buffer:** PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.

**Concentration:** 1 mg/ml

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only