

For Research Use Only

# HLA-DRB3 Polyclonal antibody

Catalog Number: 16789-1-AP



## Basic Information

Catalog Number:

16789-1-AP

Size:

400 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10223

GenBank Accession Number:

BC008987

GeneID (NCBI):

3125

UNIPROT ID:

P79483

Full Name:

major histocompatibility complex,  
class II, DR beta 3

Calculated MW:

266 aa, 30 kDa

Observed MW:

28-30 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:50000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : Daudi cells, Raji cells, Ramos cells

## Background Information

Human major histocompatibility complex (MHC) antigens, also referred to as human leukocyte antigens (HLA), are encoded by genes located on the short arm of chromosome 6 (6p21.3). There are two classes of HLA antigens: class I (HLA-A, B and C) and class II (HLA-D). The class II molecules are heterodimers consisting of an alpha (DRA) and a beta (DRB) chain. HLA-DRB3 is a beta chain of MHC class II molecule expressed on the surface of antigen presenting cells (APC) like B cells, macrophages, and dendritic cells (PMID: 30192820). It is involved in adaptive immune responses by presenting peptide antigens to CD4+ T cells (PMID: 19830726).

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

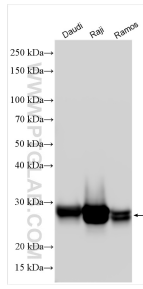
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16789-1-AP (HLA-DRB3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.