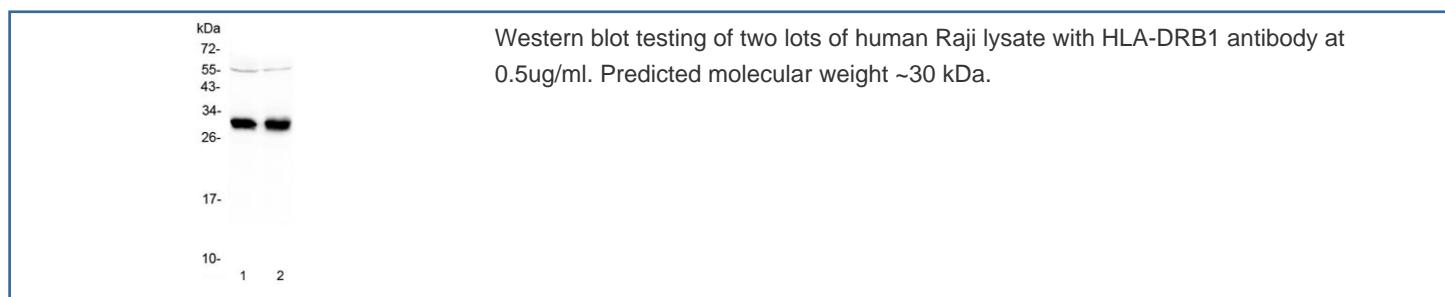


## HLA-DRB1 Antibody (RQ4649)

Catalog No.	Formulation	Size
RQ4649	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	P13761
<b>Applications</b>	Western Blot : 0.5-1ug/ml
<b>Limitations</b>	This HLA-DRB1 antibody is available for research use only.



## Description

HLA class II histocompatibility antigen, DRB1 beta chain is a protein that in humans is encoded by the HLA-DRB1 gene. This gene is mapped to 6p21.32. DRB1 encodes the most prevalent beta subunit of HLA-DR. Several alleles of DRB1 (shared epitope alleles) are associated with an increased incidence of rheumatoid arthritis. HLA-DRB1 belongs to the HLA class II beta chain paralogs. The class II molecule is a heterodimer consisting of an alpha (DRA) and a beta chain (DRB), 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. It is encoded by 6 exons. It plays a central role in the immune

system by presenting peptides derived from extracellular proteins to T helper cells.

## Application Notes

Optimal dilution of the HLA-DRB1 antibody should be determined by the researcher.

## Immunogen

Amino acids TERVQFLERLFYNQEEFVRFDSDVGEYRAVTELGR were used as the immunogen for the HLA-DRB1 antibody.

## Storage

After reconstitution, the HLA-DRB1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.