

Datasheet for ABIN657613
anti-HLA-DRB4 antibody (N-Term)[Go to Product page](#)

1 Image

Overview

Quantity:	400 µL
Target:	HLA-DRB4
Binding Specificity:	AA 43-72, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HLA-DRB4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This HLA-DRB4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 43-72 amino acids from the N-terminal region of human HLA-DRB4.
Clone:	RB33594
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	HLA-DRB4
Alternative Name:	HLA-DRB4 (HLA-DRB4 Products)
Background:	HLA-DRB4 belongs to the HLA class II beta chain paralogues. This class II molecule is a

Target Details

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 DRB4 is linked with allelic variants of DRB1, otherwise it is omitted. There are 4 related pseudogenes: DRB2, DRB6, DRB7, DRB8 and DRB9.

Molecular Weight:	29941
Gene ID:	3126
NCBI Accession:	NP_068818
UniProt:	P13762
Pathways:	TCR Signaling , Positive Regulation of Peptide Hormone Secretion , Production of Molecular Mediator of Immune Response , Human Leukocyte Antigen (HLA) in Adaptive Immune Response

Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

Handling

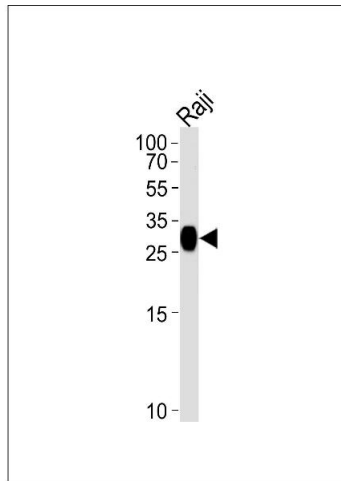
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C

Handling

Storage Comment: HLA-DRB4 Antibody (N-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.

Expiry Date: 6 months

Images



Western Blotting

Image 1. Western blot analysis of lysate from Raji cell line, using HLA-DRB4 Antibody (N-term) (ABIN657613 and ABIN2846610). (ABIN657613 and ABIN2846610) was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35 µg per lane.