

HLA-DQB1/2 Polyclonal Antibody

Cat No: HR1AP5333

For research use only

Overview

Product Name	HLA-DQB1/2 Polyclonal Antibody
Source	Rabbit
Applications	WB,IHC-p,ELISA
Species Reactivity	Human
Recommended Dilutions	
Immunogen	
Species	Rabbit
Storage	-20°C/1 year
Isotype	
Clonality	
Concentration	1 mg/ml
Observed band	30kDa
GeneID?Human?	HLA-DQB1/HLA-DQB2
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	HLA-DQB1; HLA-DQB; HLA class II histocompatibility antigen, DQ beta 1 chain; MHC class II antigen DQB1; HLA-DQB2; HLA-DXB; HLA class II histocompatibility antigen, DQ beta 2 chainHLA class II histocom
Background	<p>major histocompatibility complex, class II, DQ beta 1 (HLA-DQB1) Homo sapiens HLA-DQB1 belongs to the HLA class II beta chain paralogs. This class II molecule is a heterodimer consisting of an alpha (DQA) and a beta chain (DQB), 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 it contains six exons. Exon 1 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 DQ molecule both the alpha chain and the beta chain contain the polymorphisms specifying the peptide binding specificities, resulting in up to four different molecules. Typing for these polymorphisms is routinely done for bone marro</p>