

2B1F Rabbit Polyclonal Antibody

Catalog# UZ-PA00049

Product information

产品货号	UZ-PA00049
别名	HLA-DRB2
产品名称	2B1F Rabbit Polyclonal Antibody
类别	抗体产品
基因名称	HLA-DRB1
推荐应用	WB,ELISA
反应种属	Human,Rat,Mouse
存储缓冲液	Liquid in PBS containing 50% glycerol, and 0.02% New type preservative N.
Human Gene ID	3123
Human Swissprot No.	P01911
免疫原	Synthesized peptide derived from part region of human protein AA range: 181-230
稀释度	WB 1:500-2000, ELISA 1:5000-20000
预测分子量	29kDa
运输及保存条件	-20°C/1 year
宿主	Rabbit
同种型	Rabbit,IgG
背景介绍	major histocompatibility complex, class II, DR beta 1(HLA-DRB1) Homo sapiens 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. 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. Hundreds of DRB1 alleles have been described and typing for these polymorphisms is routinely done for bone marrow and kidney transplantation. Cell membrane ; Single-pass type I membrane protein . Endoplasmic reticulum membrane ; Single-pass type I membrane protein . Lysosome membrane ; Single-pass type I membrane protein . Late endosome membrane ; Single-pass type I membrane protein . Autolysosome membrane . The MHC class II complex transits through a number of intracellular compartments in the endocytic pathway until it reaches the cell membrane for antigen presentation (PubMed:18305173). Component of immunological synapses at the interface between T cell and APC (PubMed:29884618). .
细胞定位	
纯化	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal