

## HLA-DPB1 Antibody (Center)

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| Catalog_no :   | AB1241   |
| Applications : | WB   |
| Reactivity :   | H  |
| Category :     | 抗原抗体   |
| Size :         | 100μL/50μL   |
| Immunogen :    | HUMAN:77-105   |
| Specificity :  | This HLA-DPB1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 77-105 amino acids from the Central region of human HLA-DPB1.   |
| Dilution :     | ,1:500;,1:500;FC,1:25;WB,1:1000;   |
| Purification : | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.   |
| Other_name :   | HLA class II histocompatibility antigen, DP beta 1 chain, HLA class II histocompatibility antigen, DP(W4) beta chain, MHC class II antigen DPB1, HLA-DPB1, HLA-DP1B  |
| Isotype :      | Rabbit Ig  |
| Background :   | HLA-DPB belongs to the HLA class II beta chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DPA) and a beta chain (DPB), 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 DP molecule both the alpha chain and the beta chain contain the polymorphisms specifying the peptide binding specificities, resulting in up to 4 different molecules. |
| reference :    | Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Yang, J.H., et al. Tissue Antigens 76(4):282-288(2010) Wang, P., et al. Lin Chung Er Bi Yan Hou Tou Jing Wai Ke Za Zhi 24(6):261-263(2010) Ovsyannikova, I.G., et al. PLoS ONE 5 (7), E11806 (20   |