

AP17469PU-N**Polyclonal Antibody to HLA class II DR beta 1 / HLA-DRB1 (N-term)**

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| Alternate names: | DR-1, DR1, DRB1-1 beta chain, HLA class II histocompatibility antigen, MHC class II antigen DRB1 |
| Quantity: | 0.4 ml |
| Concentration: | lot specific |
| Background: | 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. |
| Uniprot ID: | P04229 |
| NCBI: | 9606 |
| Host: | Rabbit |
| Immunogen: | KLH conjugated synthetic peptide selected from the N-terminal region of human HLA-DRB1 |
| Format: | State: Liquid Ig fraction Purification: Purified through a protein A column, followed by peptide affinity purification Buffer System: PBS with 0.09% (W/V) sodium azide |
| Applications: | Western blot: 1:100 - 1:500. ELISA: 1:1,000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| Specificity: | This antibody detects HLA-DRB1 at N-term. |
| Species Reactivity: | Tested: Human |
| Add. Information: | Molecular weight: 29914 Da |
| Storage: | Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch. |
| General Readings: | 1. Miyagawa, T., et al., J. Hum. Genet. (2009). |

Pictures:

Western blot analysis of HLA-DRB1 Antibody (N-term) (AP17469PU-N) in WiDr cell line lysates (35 µg/lane). HLA-DRB1 (arrow) was detected using the purified Pab.

