

HLA-DQB1/B2 polyclonal antibody

Catalog: BS60575

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Destination of major histocompatibility complex (MHC) class II molecules for presentation to CD4+ helper T-cells is determined by two key events: the dissociation of class II-associated invariant chain peptides (CLIP) from an antigen binding groove in mhc ii-a/b dimers through the activity of MHC molecules HLA-DM and -DO, and subsequent peptide antigen binding. Accumulating in endosomal/lysosomal compartments and on the surface of B cells, HLA-DM, -DO molecules regulate the dissociation of CLIP and the subsequent binding of exogenous peptides to HLA class II molecules (HLA-DR, DQ, DP and DR) by sustaining a conformation that favors peptide exchange. RFLP analysis of HLA-DM genes from rheumatoid arthritis (RA) patients suggests that certain polymorphisms are genetic factors for RA susceptibility. The alpha 1 chain of HLA-DQ1 class II molecule complex can bind peptides and present them to CD4+ T lymphocytes. HLA-DQB1 may be implicated in multiple sclerosis.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 30 kDa

Swiss-Prot:

P01920/P05538

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

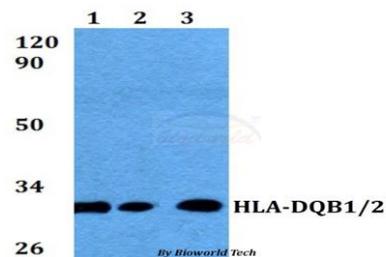
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

HLA-DQB1/B2 polyclonal antibody detects endogenous levels of HLA-DQB1/B2 protein.

DATA:



Western blot (WB) analysis of HLA-DQB1/B2 polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate

Lane2:Raw264.7 whole cell lysate

Lane3:PC12 whole cell lysate

Note:

For research use only, not for use in diagnostic procedure.

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