# 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:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

## 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

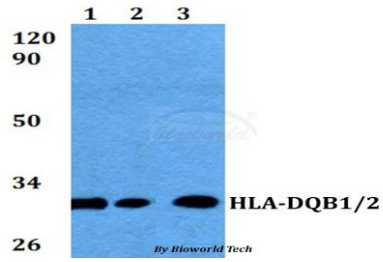
## Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ 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.

**Bioworld Technology, Inc.**
Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416,USA.
Email: info@bioworlde.com
Tel: 6123263284
Fax: 6122933841

**Bioworld technology, co. Ltd.**
Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.
Email: info@biogot.com
Tel: 0086-025-68037686
Fax: 0086-025-68035151