ELK Biotechnology

# DQB1 rabbit pAb

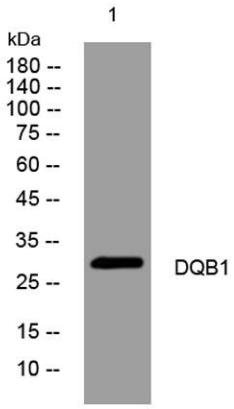
## Cat No.:ES16902

**For research use only**

**Overview**

| | |
|---|---|
| **Product Name** | DQB1 rabbit pAb |
| **Host species** | Rabbit |
| **Applications** | WB |
| **Species Cross-Reactivity** | Human;Rat;Mouse; |
| **Recommended dilutions** | WB 1：500-2000 |
| **Immunogen** | Synthesized peptide derived from human DQB1 AA range: 54-104 |
| **Specificity** | This antibody detects endogenous levels of DQB1 at Human |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Storage** | Store at -20°C. Avoid repeated freeze-thaw cycles. |
| **Protein Name** | DQB1 |
| **Gene Name** | HLA-DQB1 HLA-DQB |
| **Cellular localization** | Cell membrane; Single-pass type I membrane protein. Endoplasmic reticulum membrane; Single-pass type I membrane protein. Golgi apparatus, trans-Golgi network membrane; Single-pass type I membrane protein. Endosome membrane; Single-pass type I membrane pro |
| **Purification** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Clonality** | Polyclonal |
| **Concentration** | 1 mg/ml |
| **Observed band** | |
| **Human Gene ID** | 100507714 |
| **Human Swiss-Prot Number** | P01920 |
| **Alternative Names** | |
| **Background** | major histocompatibility complex, class II, DQ beta 1(HLA-DQB1) Homo sapiens HLA-DQB1 belongs to the HLA class II beta chain paralogs. This class II molecule is a heterodimer consisting of an alpha |

(DQA) and a beta chain (DQB), 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 it contains six exons. Exon 1 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 DQ molecule both the alpha chain and the beta chain contain the polymorphisms specifying the peptide binding specificities, resulting in up to four different molecules. Typing for these polymorphisms is routinely done for bone marro




Western blot analysis of lysates from MCF-7 cells, primary antibody was diluted at 1:1000, 4°over night

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