Datasheet for ABIN2855831

anti-HLA-DQB2 antibody

2 Images

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Overview

Quantity:	100 µL
Target:	HLA-DQB2
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HLA-DQB2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human HLA-DQB2. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Rabbit Polyclonal antibody to HLA-DQB2 (major histocompatibility complex, class II, DQ beta 2) HLA-DQB2 antibody
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	HLA-DQB2
Alternative Name:	major histocompatibility complex, class II, DQ beta 2 (HLA-DQB2 Products)

Target Details

Background:	HLA-DQB2 belongs to the family of HLA class II beta chain paralogs. Class II molecules are heterodimers consisting of an alpha (DQA) and a beta chain (DQB), both anchored in the membrane. They play 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). Polymorphisms in the alpha and beta chains specify the peptide binding specificity, and typing for these polymorphisms is routinely done for bone marrow transplantation. However this gene, HLA-DQB2, is not routinely typed, as it is not thought to have an effect on transplantation. There is conflicting evidence in the literature and public sequence databases for the protein-coding capacity of HLA-DQB2. Because there is evidence of transcription and an intact ORF, HLA-DQB2 is represented in Entrez Gene and in RefSeq as a protein-coding locus.
Molecular Weight:	30 kDa
Gene ID:	3120
UniProt:	P05538
Pathways:	TCR Signaling, Human Leukocyte Antigen (HLA) in Adaptive Immune Response

Application Details

Application Notes:	WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: K562
Restrictions:	For Research Use only

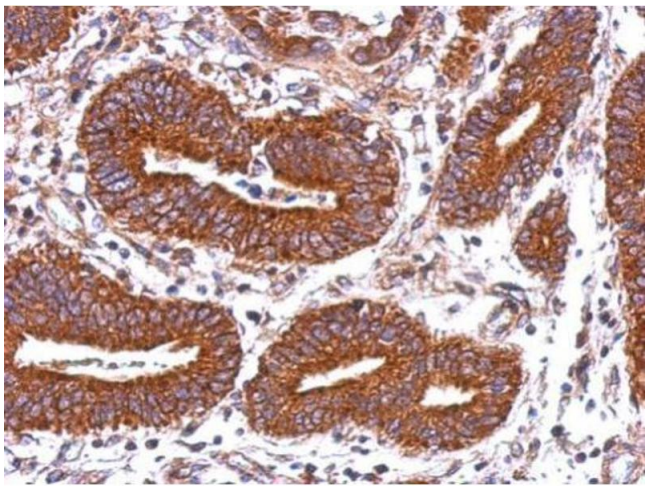
Handling

Format:	Liquid
Concentration:	0.93 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 20 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C

Handling

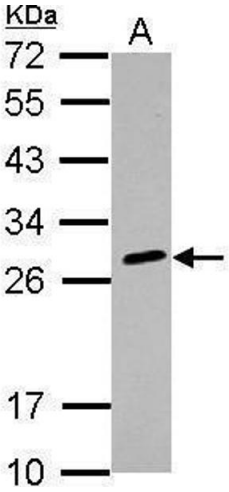
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



Immunohistochemistry

Image 1. IHC-P Image Immunohistochemical analysis of paraffin-embedded human colon carcinoma, using HLA-DQB2, antibody at 1:500 dilution.



Western Blotting

Image 2. WB Image Sample (30 ug of whole cell lysate) A: K562 12% SDS PAGE antibody diluted at 1:1000