

HLA-DQB1 Rabbit Polyclonal Antibody

Catalog No: #54666

Package Size: #54666-1 50ul #54666-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

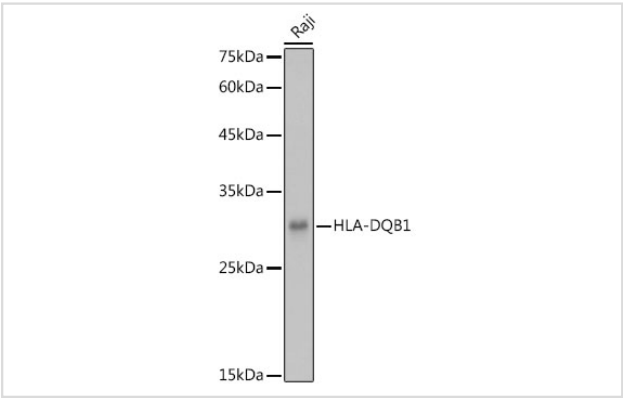
Description

Product Name	HLA-DQB1 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC
Species Reactivity	Human
Immunogen Description	Recombinant protein of human HLA-DQB1.
Conjugates	Unconjugated
Other Names	IDDM1; CELIAC1; HLA-DQB
Accession No.	Swiss Prot:P01920Gene ID:3119
Calculated MW	29kDa
SDS-PAGE MW	30kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

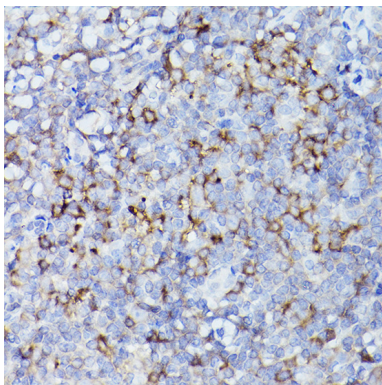
Application Details

WB□1:2000 - 1:5000IHC□1:50 - 1:200

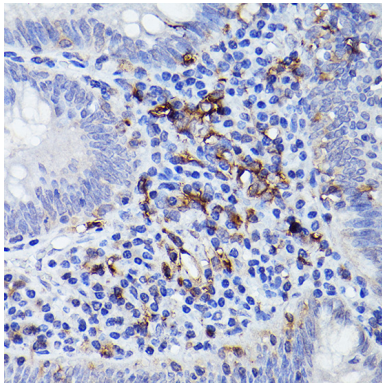
Images



Western blot analysis of extracts of Raji cells, using HLA-DQB1 antibody.



Immunohistochemistry of paraffin-embedded human tonsil using HLA-DQB1 antibody.



Immunohistochemistry of paraffin-embedded human colon carcinoma using HLA-DQB1 antibody.

Background

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 marrow transplantation. Alternative splicing results in multiple transcript variants.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.