

HLA-DPB1 Antibody

Catalog No: #32274

Package Size: #32274-1 50ul #32274-2 100ul

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

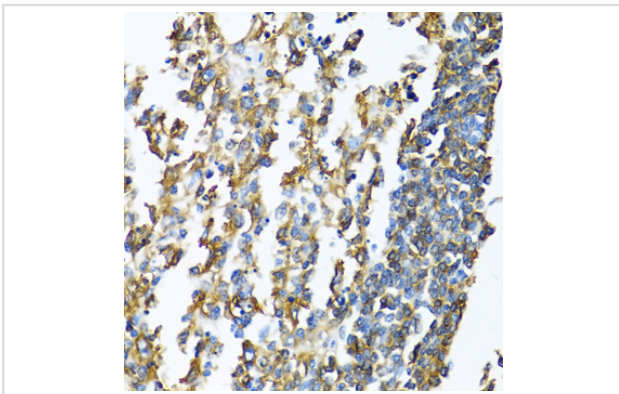
Description

Product Name	HLA-DPB1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC
Species Reactivity	Human,Mouse
Specificity	The antibody detects endogenous level of total HLA-DPB1 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human HLA-DPB1.
Target Name	HLA-DPB1
Other Names	DPB1; HLA-DP; HLA-DPB; HLA-DP1B;
Accession No.	Swiss-Prot:P04440NCBI Gene ID:3115
Uniprot	P04440
GeneID	3115;
SDS-PAGE MW	29KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

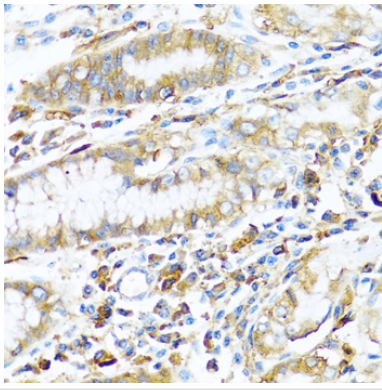
Application Details

WB □ 1:500 - 1:2000 IHC □ 1:50 - 1:200

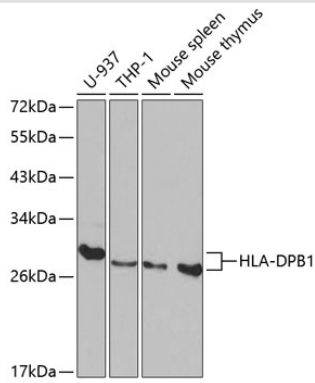
Images



Immunohistochemistry of paraffin-embedded human lymphonodus using HLA-DPB1 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human stomach using HLA-DPB1 at dilution of 1:100 (40x lens).



Western blot analysis of extracts of various cell lines, using HLA-DPB1 at 1:1000 dilution.

Background

HLA-DPB belongs to the HLA class II beta chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DPA) and a beta chain (DPB), 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 its gene contains 6 exons. Exon one 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 DP molecule both the alpha chain and the beta chain contain the polymorphisms specifying the peptide binding specificities, resulting in up to 4 different molecules.

Note: This product is for in vitro research use only