Product Datasheet

HLA-DQA1 antibody

Catalog No: #38391

Package Size: #38391-1 50ul #38391-2 100ul

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

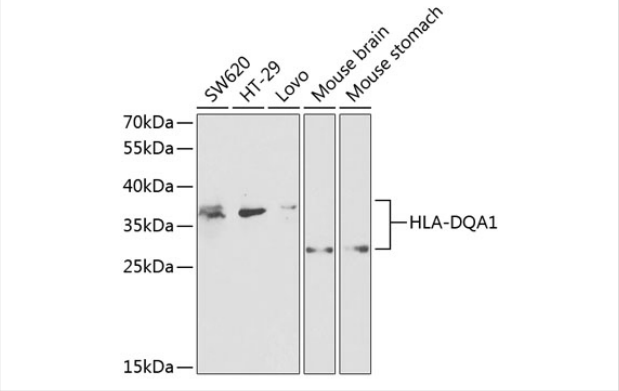
Description

Product Name	HLA-DQA1 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-DQA1 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human HLA-DQA1.
Target Name	HLA-DQA1
Other Names	HLA-DQA1; CD; CELIAC1; DQ-A1; GSE; HLA-DQA; DQ alpha 1 chain; DC-1 alpha chain; DC-alpha; HLA-DCA; MHC class II DQA1;
Accession No.	Swiss-Prot#: P01909NCBI Gene ID: 3117
Uniprot	P01909
GeneID	3117;
SDS-PAGE MW	28kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

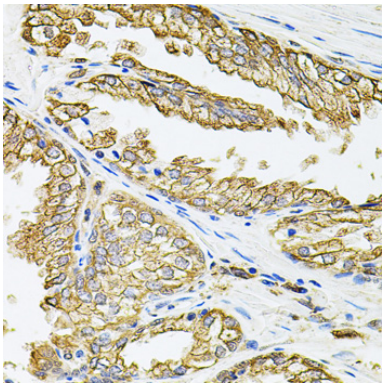
Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:200

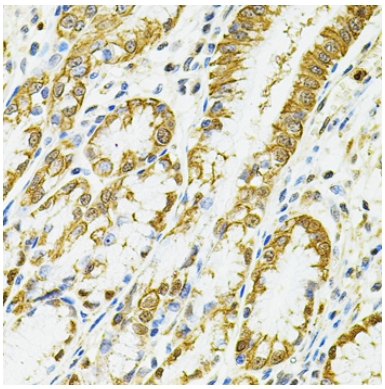
Images



Western blot analysis of extracts of various cell lines, using HLA-DQA1 at 1:1000 dilution.



Immunohistochemistry of paraffin-embedded human prostate using HLA-DQA1 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human esophagus using HLA-DQA1 at dilution of 1:100 (40x lens).

Background

HLA-DQA1 belongs to the HLA class II alpha chain paralogues. The 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 alpha chain is approximately 33-35 kDa. 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 (1).

1. Entrez Gene: gene-centered information at NCBI. Nucleic Acids Res. 2005 Jan 1;33:D54-8.

Note: This product is for in vitro research use only