

Rabbit anti-Human HLA-DQA1 Monoclonal Antibody | anti-HLA-DQA1 antibody

HLA-DQA1 Rabbit mAb

CATALOG # AAA28454	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot, Immunohistochemistry, ELISA
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PRODUCT SYNONYMS

HLA-DQA1; Monoclonal Antibody; HLA-DQA1 Rabbit mAb; DQA1; DQ-A1; CELIAC1; HLA-DQA; HLA-DQB1; HLA-DQA1*; anti-HLA-DQA1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	EGVSETSFLS KSDHSFFKIS YLTLLPSAEE SYDCKVEHWG LDKPLLKHWE PEIPAPMSEL TETVVCALGL SVGLVGIVVG TVFIIRGLRS VGASRHQGPL
Applicable Applications for anti-HLA-DQA1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Application Notes	WB: 1:1000-1:6000 IHC-P: 1:200-1:2000 ELISA: Recommended starting concentration is 1ug/mL. Please optimize the concentration based on your specific assay requirements.
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 155-254 of human HLA-DQA1 (P01909).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Rat spleen tissue using HLA-DQA1 Rabbit mAb (AAA28454) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



IHC (Immunohistochemistry)

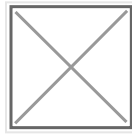
Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using HLA-DQA1 Rabbit mAb (AAA28454) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.

**IHC (Immunohistochemistry)**

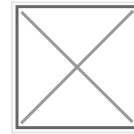
Immunohistochemistry analysis of paraffin-embedded Mouse liver tissue using HLA-DQA1 Rabbit mAb (AAA28454) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.

**IHC (Immunohistochemistry)**

Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using HLA-DQA1 Rabbit mAb (AAA28454) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.

**IHC (Immunohistochemistry)**

Immunohistochemistry analysis of paraffin-embedded Human liver tissue using HLA-DQA1 Rabbit mAb (AAA28454) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.

**IHC (Immunohistochemistry)**

Immunohistochemistry analysis of paraffin-embedded Human colon tissue using HLA-DQA1 Rabbit mAb (AAA28454) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.

ADDITIONAL INFORMATION

Related Product Information for anti-HLA-DQA1 antibody	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. It is encoded by 5 exons; exon 1 encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, and exon 4 encodes the transmembrane domain and 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.
Product Categories/Family for anti-HLA-DQA1 antibody	Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	122188
NCBI GeneID	3117
UniProt Accession #	P01909 ; O19630 ; O19706 ; P01907 ; P01908 ; P04225 ; P04226 ; P05536 ; P79553 ; Q06751 ; Q29876 ; Q29994
Molecular Weight	Calculated MW: 28kDa Observed MW: 28kDa
UniProt Protein Name	HLA class II histocompatibility antigen, DQ alpha 1 chain
UniProt Gene Name	HLA-DQA1
UniProt Entry Name	DQA1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/hla-dqa1-antibody-western-blot-immunohistochemistry-elisa/28454>