

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

HLA-DQA1 Polyclonal Antibody

CATALOG # AAA173959	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Immunohistochemistry
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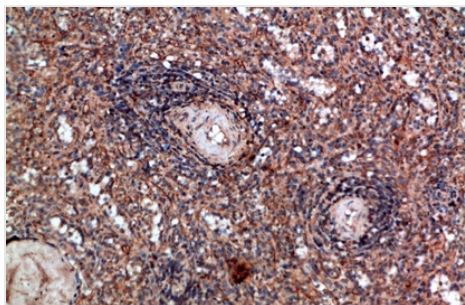
PRODUCT SYNONYMS

HLA-DQA1; Polyclonal Antibody; HLA-DQA1 Polyclonal Antibody; HLA class II histocompatibility antigen; DQ alpha 1 chain (DC-1 alpha chain) (DC-alpha) (HLA-DCA) (MHC class II DQA1); anti-HLA-DQA1 antibody

PRODUCT SPECIFICATIONS

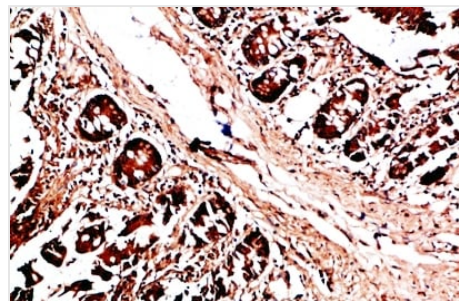
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/mL (varies by lot)
Sequence Length	255
Applicable Applications for anti-HLA-DQA1 antibody	ELISA, IHC (Immunohistochemistry)
Immunogen	Synthetic peptide from human protein
Buffer	PBS with 0.02% sodium azide and 50% glycerol pH 7.4.
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human spleen tissue using HLA-DQA1 Polyclonal Antibody at dilution of 1:200.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human colon tissue using HLA-DQA1 Polyclonal Antibody at dilution of 1:200.

ADDITIONAL INFORMATION

Related Product Information for anti-HLA-DQA1 antibody	HLA-DQA1 (Major Histocompatibility Complex, Class II, DQ Alpha 1) is a Protein Coding gene. Diseases associated with HLA-DQA1 include Celiac Disease and Adult-Onset Myasthenia Gravis. Among its related pathways are ICos-ICosL Pathway in T-Helper Cell and CTLA4 Signaling. GO annotations related to this gene include peptide antigen binding and MHC class II receptor activity. An important paralog of this gene is HLA-DQA2.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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	18426975
NCBI GeneID	3117
NCBI Accession #	NP_002113.2
NCBI GenBank Nucleotide #	NM_002122.3
UniProt Accession #	P01909; O19630; O19706; P01907; P01908; P04225; P04226; P05536; P79553; Q06751; Q29876; Q29994
Molecular Weight	27,805 Da
NCBI Official Full Name	HLA class II histocompatibility antigen, DQ alpha 1 chain
NCBI Official Synonym Full Names	major histocompatibility complex, class II, DQ alpha 1
NCBI Official Symbol	HLA-DQA1
NCBI Official Synonym Symbols	DQ-A1; CELIAC1; HLA-DQA
NCBI Protein Information	HLA class II histocompatibility antigen, DQ alpha 1 chain
UniProt Protein Name	HLA class II histocompatibility antigen, DQ alpha 1 chain
UniProt Gene Name	HLA-DQA1

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/hla-dqa1-antibody-immunohistochemistry-elisa/173959>