

Goat HLA-DQA2 Polyclonal Antibody | anti-HLA-DQA2 antibody

Goat Polyclonal to Human HLA-DQA2

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51586	Goat	Reactivity: Human, Bovine, Goat, Sheep Predicted Reactivity: Chimpanzee (at least 90% immunogen sequence identity)	ELISA, Immunohistochemistry

PRODUCT SYNONYMS

HLA-DQA2; Polyclonal Antibody; Goat Polyclonal to Human HLA-DQA2; Anti-HLA-DQA2 Antibody (Internal) IHC-plus; DX-ALPHA; DX alpha chain; MHC class II DQA2; HLA-DXA; Human HLA-DQA2; anti-HLA-DQA2 antibody

PRODUCT SPECIFICATIONS

Host	Goat
Reactivity	Reactivity: Human, Bovine, Goat, Sheep Predicted Reactivity: Chimpanzee (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human HLA-DQA2.
Purity/Purification	Immunoaffinity Purified
Form/Format	Tris-buffered saline, pH 7.3, 0.5% BSA, 0.02% sodium azide
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	aa40-50
Applicable Applications for anti-HLA-DQA2 antibody	ELISA, IHC (Immunohistochemistry)
Immunogen Species	Human
Immunogen	Synthetic peptide C-QSHGPSGQYTH from an internal region of human HLA-DQA2 (NP_064440.1). Percent identity by BLAST analysis: Human, Gorilla, Sheep, Goat, Bovine (100%); Chimpanzee, Zebu (91%).
Antigen Type	Synthetic peptide
Immunogen	HLA-DQA2 antibody was raised against synthetic peptide C-QSHGPSGQYTH from an internal region of human HLA-DQA2 (NP_064440.1). Percent identity by BLAST analysis: Human, Gorilla, Sheep, Goat, Bovine (100%); Chimpanzee, Zebu (91%).
Antigen Modification	Internal
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol

The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results:

Tissue Preparation:

Formalin fixation and embedding in paraffin wax.

Tissue Sectioning:

Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C.

Deparaffinization:

Wash dry slides in 3 changes of xylene - 5 minutes each @ RT

Rehydration:

Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT

Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT

Wash slides in 1 change of 80% alcohol - 3 minutes @ RT

Rinse slides in gentle running distilled water - 5 minutes @ RT

Antigen retrieval:

Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes

Remove from heat and let stand at room temperature in buffer - 20 minutes

Rinse in 1X TBS with Tween (TBST) -1 minute @ RT

Immunostaining:

(Do not allow tissues to dry at any time during the staining procedure)

Apply a universal protein block - 20 minutes @ RT

Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT

Rinse slides in 1 X TBST - 1 minute @ RT

Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT

Rinse slides in 1X TBST -1 minute @ RT

Apply alkaline phosphatase streptavidin - 30 minutes @ RT

Rinse slides in 1X TBST -1 minute @ RT

Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT

Wash slides in distilled water - 1 minute @ RT

Dehydrate:

(This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB)

Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT

Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT

Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT

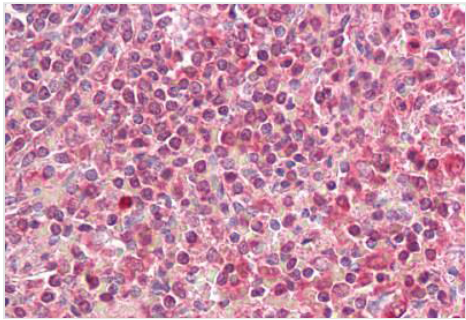
Wash slides in 3 changes of xylene - 1 minute each @ RT

Apply coverslip

Preparation and Storage

Store at -20 degree C. Avoid freezing and thawing cycles.

IMAGES



IHC (Immunohistochemistry)

Anti-HLA-DQA2 antibody IHC of human spleen. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 3.75 ug/ml.

NCBI AND UNIPROT INFORMATION

NCBI GI #	11095447
NCBI GeneID	3118
NCBI Accession #	NP_064440.1
NCBI GenBank Nucleotide #	NM_020056.4
UniProt Accession #	P01906; O19789; Q5SQ94; Q5SR04; A2BF37; B0V0E7
Molecular Weight	28,033 Da
NCBI Official Full Name	HLA class II histocompatibility antigen, DQ alpha 2 chain
NCBI Official Synonym Full Names	major histocompatibility complex, class II, DQ alpha 2
NCBI Official Symbol	HLA-DQA2
NCBI Official Synonym Symbols	HLA-DXA; DX-ALPHA
NCBI Protein Information	HLA class II histocompatibility antigen, DQ alpha 2 chain; DX alpha chain; MHC class II DQA2; HLA class II histocompatibility antigen, DQ(6) alpha chain
UniProt Protein Name	HLA class II histocompatibility antigen, DQ alpha 2 chain
UniProt Gene Name	HLA-DQA2
UniProt Synonym Gene Names	HLA-DXA
UniProt Entry Name	DQA2_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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/hla-dqa2-antibody-immunohistochemistry-elisa/51586>