

Rabbit HLA-DPB1 Polyclonal Antibody | anti-HLA-DPB1 antibody

HLA-DPB1 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA201174	Rabbit	Dog, Human, Rabbit	Immunohistochemistry, Western Blot

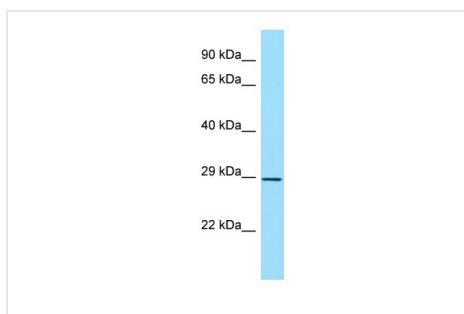
PRODUCT SYNONYMS

HLA-DPB1; Polyclonal Antibody; HLA-DPB1 antibody - middle region; anti-HLA-DPB1 antibody

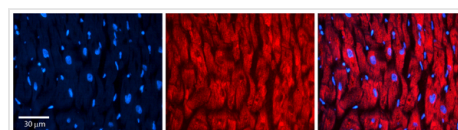
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Dog, Human, Rabbit
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following sequence: KR AVPDRMCRHN YELGGPMTLQ RRVQPRVNVS PSKKGPLQHH NLLVCHVT
Sequence Length	258
Applicable Applications for anti-HLA-DPB1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Homology	Dog: 86%; Human: 100%; Rabbit: 93%
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

WB Suggested Anti-HLA-DPB1 Antibody Titration: 1.0 ug/ml Positive Control: ACHN Whole Cell


IHC (Immunohistochemistry)

Rabbit Anti-HLA-DPB1 Antibody Formalin Fixed Paraffin Embedded Tissue: Human heart Tissue Observed Staining: Cytoplasmic Primary Antibody Concentration: 1:100 Other Working Concentrations: N/A Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec

ADDITIONAL INFORMATION

Related Product Information for anti-HLA-DPB1 antibody	This is a rabbit polyclonal antibody against HLA-DPB1. It was validated on Western Blot Target Description: 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.
Product Categories/Family for anti-HLA-DPB1 antibody	Polyclonal; Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	24797076
NCBI GeneID	3115
NCBI Accession #	NP_002112
NCBI GenBank Nucleotide #	NM_002121
UniProt Accession #	P04440
Molecular Weight	26kDa
NCBI Official Full Name	HLA class II histocompatibility antigen, DP beta 1 chain
NCBI Official Synonym Full Names	major histocompatibility complex, class II, DP beta 1
NCBI Official Symbol	HLA-DPB1
NCBI Official Synonym Symbols	DPB1; HLA-DP; HLA-DPB; HLA-DP1B
NCBI Protein Information	HLA class II histocompatibility antigen, DP beta 1 chain
UniProt Protein Name	HLA class II histocompatibility antigen, DP beta 1 chain
UniProt Gene Name	HLA-DPB1
UniProt Synonym Gene Names	HLA-DP1B
UniProt Entry Name	DPB1_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.