

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

HLA-DPB1 Antibody

CATALOG # AAA304147	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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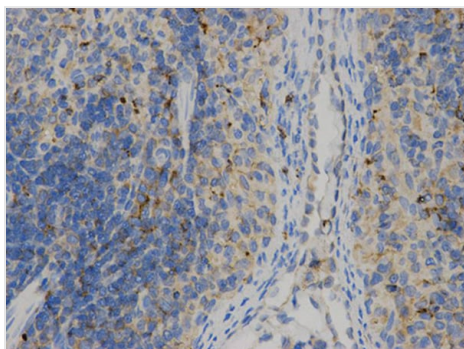
PRODUCT SYNONYMS

HLA-DPB1; Polyclonal Antibody; HLA-DPB1 Antibody; DPB1; HLA-DP; HLA-DPB; HLA-DP1B; anti-HLA-DPB1 antibody

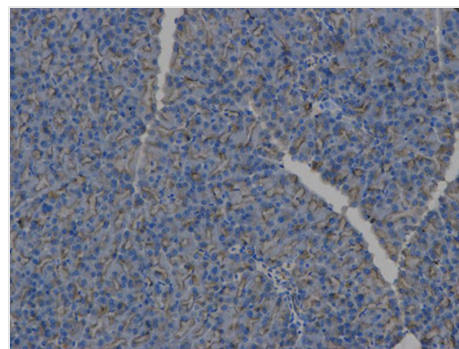
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total HLA-DPB1 protein.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Form/Format	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.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	258
Applicable Applications for anti-HLA-DPB1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human HLA-DPB1.
Target Name	HLA-DPB1
Preparation and Storage	Store at -20 degree C

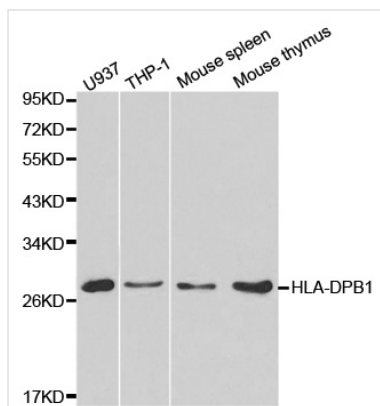
IMAGES


IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded rat spleen using HLA-DPB1 antibody at dilution of 1:200 (400x lens).


IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human brain cancer using HLA-DPB1 antibody at dilution of 1:200 (200x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using HLA-DPB1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-HLA-DPB1 antibody

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

Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	24797076
NCBI GeneID	3115
NCBI Accession #	NP_002112.3
NCBI GenBank Nucleotide #	NM_002121.5
UniProt Accession #	P04440; A0PFJ7; A5I886; A8YPB3; B5U8B4; B7VF80; B7VF87; B8ZX68; B8ZYT0; B9W5S8; B9W6F7; B9W6F9
Molecular Weight	29,159 Da
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.

