

Rabbit anti-Human HLA-DRB5 Polyclonal Antibody | anti-HLA-DRB5 antibody

HLA-DRB5 Antibody (Center)

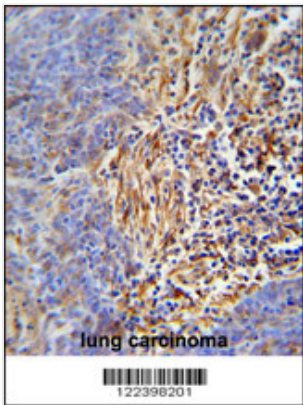
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289672	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

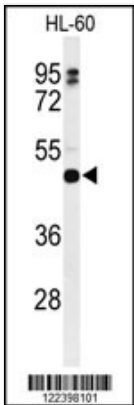
HLA-DRB5; Polyclonal Antibody; HLA-DRB5 Antibody (Center); HLA class II histocompatibility antigen; DR beta 5 chain; DR beta-5; DR2-beta-2; Dw2; MHC class II antigen DRB5; HLA-DRB5 [ECO:0000312|EMBL:CAI180791]; anti-HLA-DRB5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This HLA-DRB5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 43-70 amino acids from the Central region of human HLA-DRB5.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	43-70
Sequence Length	266
Applicable Applications for anti-HLA-DRB5 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohiostchemistry)
HLA-DRB5 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the HLA-DRB5 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of HLA-DRB5 Antibody (Center) in HL-60 cell line lysates (35ug/lane). HLA-DRB5 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-HLA-DRB5 antibody	HLA-DRB5 belongs to the HLA class II beta chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DRA) and a beta (DRB) chain, 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 DR molecule the beta chain contains all the polymorphisms specifying the peptide binding specificities. Typing for these polymorphisms is routinely done for bone marrow and kidney transplantation. DRB1 is expressed at a level five times higher than its paralogues DRB3, DRB4 and DRB5. The presence of DRB5 is linked with allelic variants of DRB1, otherwise it is omitted. There are 4 related pseudogenes: DRB2, DRB6, DRB7, DRB8 and DRB9.
Product Categories/Family for anti-HLA-DRB5 antibody	Immunology
References	Asano, K., et al. Nat. Genet. 41(12):1325-1329(2009) Barrett, J.C., et al. Nat. Genet. 41(12):1330-1334(2009) Montano-Loza, A.J., et al. Liver Int. 29(10):1543-1551(2009) Lincoln, M.R., et al. Proc. Natl. Acad. Sci. U.S.A. 106(18):7542-7547(2009) Zepeda-Gomez, S., et al. Immunol. Invest. 38 (3-4), 276-283 (2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	18641375
NCBI GeneID	3127
NCBI Accession #	NP_002116.2
NCBI GenBank Nucleotide #	NM_002125.3
UniProt Accession #	Q30154; O00157; O00283; O46700; Q29703; Q29787; Q29788; Q30126; Q30150; Q30199; B2RBV6; C7C4X3; Q9TQE0
Molecular Weight	30056
NCBI Official Full Name	major histocompatibility complex, class II, DR beta 5
NCBI Official Synonym Full Names	major histocompatibility complex, class II, DR beta 5
NCBI Official Symbol	HLA-DRB5

NCBI Official Synonym Symbols	HLA-DRB
NCBI Protein Information	major histocompatibility complex, class II, DR beta 5
UniProt Protein Name	HLA class II histocompatibility antigen, DR beta 5 chain
UniProt Gene Name	HLA-DRB5
UniProt Entry Name	DRB5_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://stage.aaabiotech.com/polyclonal/hla-drb5-antibody-immunohistochemistry-western-blot-elisa/289672>