

Rabbit anti-Human HLA-DRB1 Polyclonal Antibody | anti-HLA-DRB1 antibody

HLA-DRB1 Antibody (N-term)

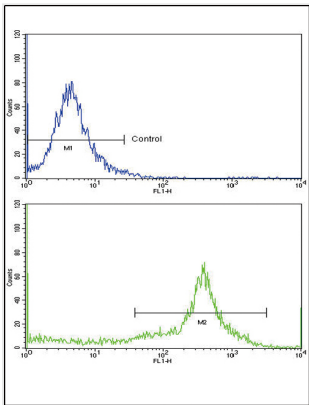
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284527	Rabbit	Human	Immunohistochemistry, Western Blot, ELISA, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

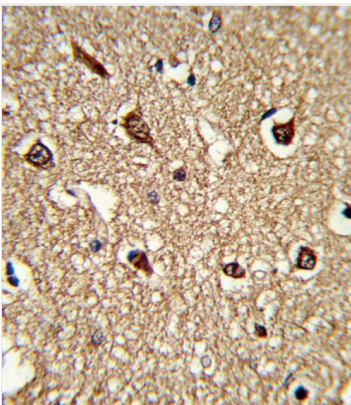
HLA-DRB1; Polyclonal Antibody; HLA-DRB1 Antibody (N-term); HLA class II histocompatibility antigen; DRB1-1 beta chain; MHC class II antigen DRB1*1; DR-1; DR1; anti-HLA-DRB1 antibody

PRODUCT SPECIFICATIONS

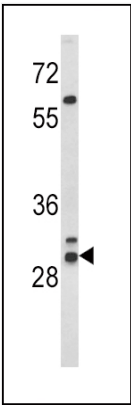
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This HLA-D_1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 30-58 amino acids from the N-terminal region of human HLA-D_1.
Purity/Purification	Peptide Affinity Purified Rabbit 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: 0.36 (varies by lot)
Sequence Positions	30-58
Sequence Length	266
Applicable Applications for anti-HLA-DRB1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA, FCM/FACS (Flow Cytometry)
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.



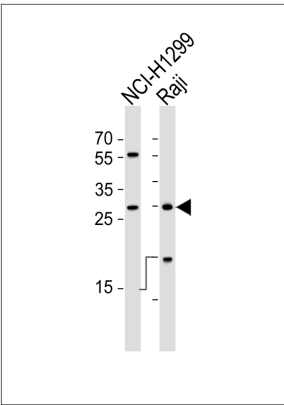
FCM/FACS (Flow Cytometry)
Flow cytometric analysis of WiDr cells using HLA-DRB1 Antibody (N-term) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human brain tissue reacted with HLA-DRB1 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of HLA-DRB1 Antibody (N-term) in WiDr cell line lysates (35ug/lane). HLA-DRB1 (arrow) was detected using the purified Pab.



WB (Western Blot)
Western blot analysis of lysates from NCI-H1299, Raji cell line (from left to right), using HLA-DRB1 Antibody (N-term). AAA284527 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-HLA-DRB1 antibody	HLA-DRB1 belongs to the HLA class II beta chain paralogs. The class II molecule is a heterodimer consisting of an alpha (DRA) and a beta chain (DRB), 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. It is encoded by 6 exons.
Product Categories/Family for anti-HLA-DRB1 antibody	Cardiovascular; Immunology
References	Miyagawa, T., et al., J. Hum. Genet. (2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	34395916
UniProt Accession #	P04229; O62869; P13758; Q06662; Q30116; Q30117; Q5Y7E9; Q7M2H4; Q95461; Q9BCL7; A4F5N0; A8K098
Molecular Weight	29914
NCBI Official Full Name	HLA class II histocompatibility antigen, DRB1-1 beta chain

UniProt Protein Name	HLA class II histocompatibility antigen, DRB1-1 beta chain
UniProt Gene Name	HLA-DRB1
UniProt Synonym Gene Names	DR-1; DR1
UniProt Entry Name	2B11_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-drb1-antibody-immunohistochemistry-western-blot-flow-cytometry-elisa/284527>