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

HLA-DRB1 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA176457	**Rabbit**	**Human**	**ELISA, Immunohistochemistry, Western Blot**

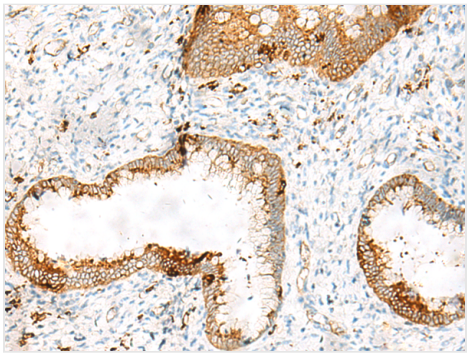
PRODUCT SYNONYMS

HLA-DRB1; Polyclonal Antibody; HLA-DRB1 Polyclonal Antibody; MHC Class II HLA-DR Beta 1 Chain; Human Leucocyte Antigen DRB1; MHC Class II Antigen DRB1*10; MHC Class II Antigen DRB1*11; MHC Class II Antigen DRB1*12; MHC Class II Antigen DRB1*13; MHC Class II Antigen DRB1*14; MHC Class II Antigen DRB1*15; MHC Class II Antigen DRB1*16; MHC Class II Antigen DRB1*1; MHC Class II Antigen DRB1*3; MHC Class II Antigen DRB1*4; MHC Class II Antigen DRB1*7; MHC Class II Antigen DRB1*8; MHC Class II Antigen DRB1*9; Lymphocyte Antigen DRB1c; anti-HLA-DRB1 antibody

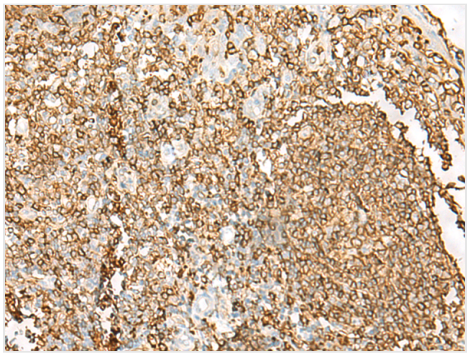
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purification
Form/Format	PBS with 0.05% NaN3 and 40% Glycerol, pH7.4
Concentration	1.14mg/mL (varies by lot)
Sequence Length	266
Applicable Applications for anti-HLA-DRB1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Fusion protein of human HLA-DRB1
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

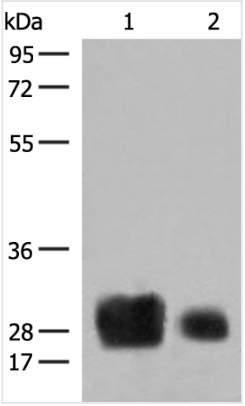
IMAGES



IHC (Immunohistochemisry)
Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using HLA-DRB1 Polyclonal Antibody at dilution of 1:65(×200



IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded Human tonsil tissue using HLA-DRB1 Polyclonal Antibody at dilution of 1:65(×200



WB (Western Blot)
Western blot analysis of Human spleen tissue and A375 cell lysates using HLA-DRB1 Polyclonal Antibody at dilution of 1:500

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. 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. Hundreds of DRB1 alleles have been described and typing for these polymorphisms is routinely done for bone marrow and kidney transplantation. DRB1 is expressed at a level five times higher than its paralogs DRB3, DRB4 and DRB5. DRB1 is present in all individuals. Allelic variants of DRB1 are linked with either none or one of the genes DRB3, DRB4 and DRB5. There are 4 related pseudogenes: DRB2, DRB6, DRB7, DRB8 and DRB9.

NCBI AND UNIPROT INFORMATION

NCBI GI #	74757225
NCBI GeneID	3123
UniProt Accession #	Q5Y7A7; P01911; P01912; P04229; P20039; Q29974; Q30134; Q30167; Q95IE3; Q9GIY3
Molecular Weight	30 kDa
NCBI Official Full Name	HLA class II histocompatibility antigen, DRB1-13 beta chain
NCBI Official Synonym Full Names	major histocompatibility complex, class II, DR beta 1
NCBI Official Symbol	HLA-DRB1
NCBI Official Synonym Symbols	SS1; DRB1; HLA-DRB; HLA-DR1B
NCBI Protein Information	major histocompatibility complex, class II, DR beta 1
UniProt Protein Name	HLA class II histocompatibility antigen, DRB1-13 beta chain
UniProt Gene Name	**HLA-DRB1**
UniProt Synonym Gene Names	DR-13; DR13
UniProt Entry Name	2B1D_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-elisa/176457