

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

HLA-DRB1 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282844	Rabbit	Human	ELISA, Immunohistochemistry, Western Blot

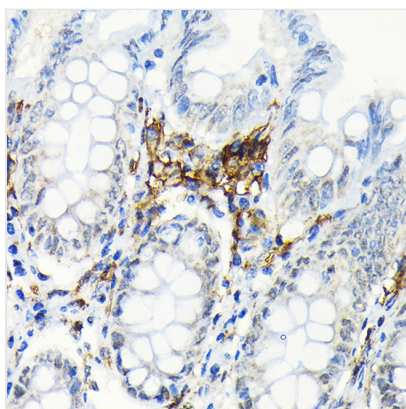
PRODUCT SYNONYMS

HLA-DRB1; Monoclonal Antibody; HLA-DRB1 Rabbit mAb; SS1; DRB1; HLA-DRB; HLA-DR1B; anti-HLA-DRB1 antibody

PRODUCT SPECIFICATIONS

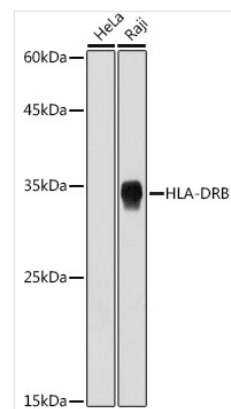
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	ARAAVDTYCR HNYGVVESFT VQRRVQPKVT VYPSKTQPLQ HHNLLVCSVS GFYPGSIEVR WFLNGQEEKA GMVSTGLIQN GDWTFQTLVM LETVPRSGEV Y
Applicable Applications for anti-HLA-DRB1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 100-200 of human HLA-DRB1 (P01911).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human colon using HLA-DRB1 Rabbit mAb (AAA282844) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



WB (Western Blot)

Western blot analysis of various lysates using HLA-DRB1 Rabbit mAb (AAA282844) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

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. 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 some alleles have increased frequencies associated with certain diseases or conditions. For example, DRB1*1302 has been related to acute and chronic hepatitis B virus persistence. There are multiple pseudogenes of this gene.
Product Categories/Family for anti-HLA-DRB1 antibody	Immunology Inflammation; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	155030211
NCBI GeneID	3123
NCBI Accession #	NP_002115.2
NCBI GenBank Nucleotide #	NM_002124.3
UniProt Accession #	P01911; Q29790; Q29975; Q30142; Q30166; Q32MY7; Q56FN9; Q5Y7B0; Q5Y7B9; P01912; P04229; P20039; Q29974; Q30134; Q30167; Q5Y7A7; Q95IE3; Q9GIY3
Molecular Weight	Calculated MW: 30kDa Observed MW: 35kDa
UniProt Protein Name	HLA class II histocompatibility antigen, DRB1-15 beta chain
UniProt Gene Name	HLA-DRB1
UniProt Synonym Gene Names	HLA-DRB2
UniProt Entry Name	2B1F_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.