

Rabbit HLA-B Polyclonal Antibody | anti-HLA-B antibody

HLA-B Rabbit Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA313346	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

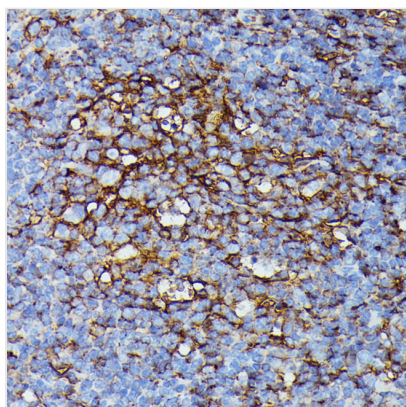
PRODUCT SYNONYMS

HLA-B; Polyclonal Antibody; HLA-B Rabbit Polyclonal Antibody; AS; B-4901; HLAB; Bw-47; Bw-50; SPDA1; anti-HLA-B antibody

PRODUCT SPECIFICATIONS

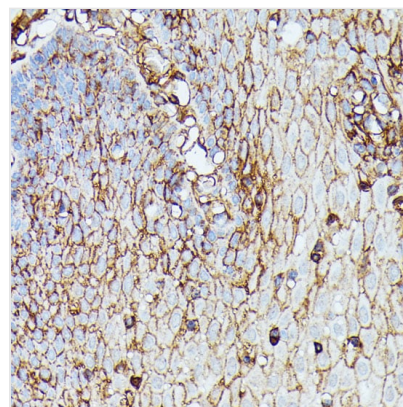
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-HLA-B antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human HLA-B (NP_005505.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



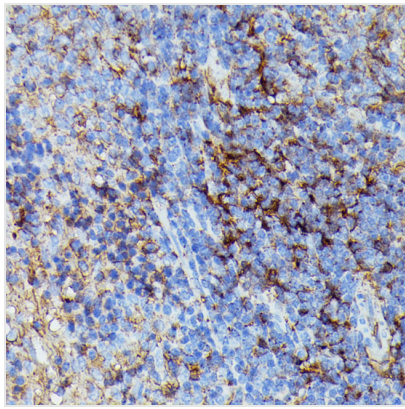
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse spleen using HLA-B at dilution of 1:100 (40x lens).



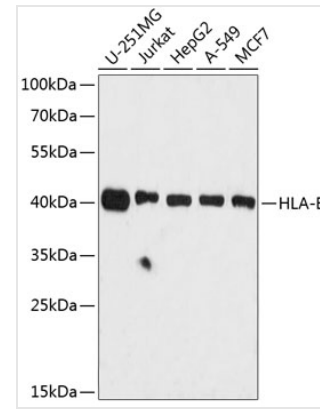
IHC (Immunohistochemisry)

Immunohistochemistry of paraffin-embedded human esophageal using HLA-B at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat spleen using HLA-B at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using HLA-B at 1:3000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-HLA-B antibody

HLA-B belongs to the HLA class I heavy chain paralogues. This class I molecule is a heterodimer consisting of a heavy chain and a light chain (beta-2 microglobulin). The heavy chain is anchored in the membrane. Class I molecules play a central role in the immune system by presenting peptides derived from the endoplasmic reticulum lumen. They are expressed in nearly all cells. The heavy chain is approximately 45 kDa and its gene contains 8 exons. Exon 1 encodes the leader peptide, exon 2 and 3 encode the alpha1 and alpha2 domains, which both bind the peptide, exon 4 encodes the alpha3 domain, exon 5 encodes the transmembrane region and exons 6 and 7 encode the cytoplasmic tail. Polymorphisms within exon 2 and exon 3 are responsible for the peptide binding specificity of each class one molecule. Typing for these polymorphisms is routinely done for bone marrow and kidney transplantation. Hundreds of HLA-B alleles have been described.

Product Categories/Family for anti-HLA-B antibody

Primary Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	2341083
NCBI GeneID	3106
UniProt Accession #	P01889; Q29638; Q29681; Q29854; Q29861; Q31613; Q5SRJ2; Q9GIX1; Q9TP95; P03989; P10319; P18463; P18464; P18465; P30460; P30461; P30462; P30464
Molecular Weight	40,460 Da
NCBI Official Full Name	HLA-B, partial
NCBI Official Synonym Full Names	major histocompatibility complex, class I, B
NCBI Official Symbol	HLA-B
NCBI Official Synonym Symbols	AS; HLAB; SPDA1
NCBI Protein Information	major histocompatibility complex, class I, B; lymphocyte antigen; MHC class I antigen SHCHA; MHC Class I HLA heavy chain; MHC class I antigen GN00104; leukocyte antigen class I-B; MHC HLA-B cell surface glycoprotein; MHC HLA-B transmembrane glycoprotein;
UniProt Protein Name	HLA class I histocompatibility antigen, B-7 alpha chain
UniProt Gene Name	HLA-B
UniProt Synonym Gene Names	HLAB
UniProt Entry Name	1B07_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-b-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/313346>