# antibodies -online.com





# anti-HLA-B antibody





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Quantity:	200 μL
Target:	HLA-B
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HLA-B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

### Product Details

Immunogen:	A synthetic peptide of human HLA-B (NP_005505.2).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

## **Target Details**

Target:	HLA-B
Alternative Name:	HLA-B (HLA-B Products)
Background:	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.

Molecular Weight: Observed\_MW: 40 kDa

Calculated\_MW: 40 kDa

Gene ID: 3106

UniProt: P01889

Pathways: Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process,

Cancer Immune Checkpoints, Human Leukocyte Antigen (HLA) in Adaptive Immune Response

#### **Application Details**

Application Notes: WB 1:1000-1:2000 IHC 1:50-1:200

Restrictions: For Research Use only

-20 °C

#### Handling

Storage:

Storage Comment:

Format:

Concentration:

1 mg/mL

Buffer:

PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3

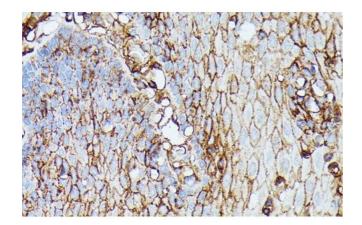
Preservative:

Sodium azide

Precaution of Use:

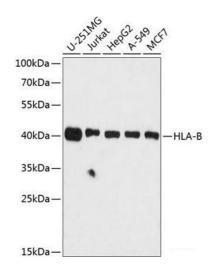
This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Store at -20°C. Avoid freeze / thaw cycles.



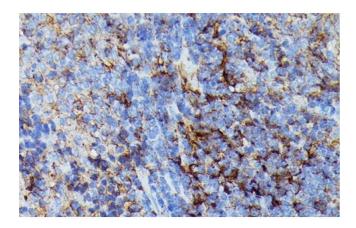
#### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Immunohistochemistry of paraffin-embedded Human esophageal using HLA-B Polyclonal Antibody at dilution of 1:100 (40x lens).



#### **Western Blotting**

**Image 2.** Western blot analysis of extracts of various cell lines using HLA-B Polyclonal Antibody at dilution of 1:3000.



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Immunohistochemistry of paraffin-embedded Rat spleen using HLA-B Polyclonal Antibody at dilution of 1:100 (40x lens).

Please check the product details page for more images. Overall 4 images are available for ABIN7256404.