

Datasheet for ABIN7244867

**anti-HLA-B antibody****2** Images[Go to Product page](#)

## Overview

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

## Product Details

|                  |                                  |
|------------------|----------------------------------|
| Immunogen:       | Synthetic peptide of human HLA-B |
| Isotype:         | IgG                              |
| Characteristics: | Polyclonal Antibody              |
| Purification:    | Antigen affinity purification    |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | HLA-B  |
| Alternative Name: | HLA-B ( <a href="#">HLA-B Products</a> )   |
| 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 |

## Target Details

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: Refer to figures  
Calculated\_MW: 40 kDa

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 1:500-1:2000, IHC 1:30-1:150, ELISA 1:5000-1:10000

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 0.9 mg/mL

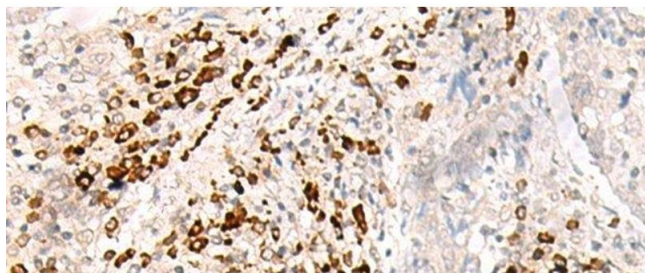
Buffer: PBS with 0.05 % Sodium azide and 40 % Glycerol, pH 7.4

Preservative: Sodium azide

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

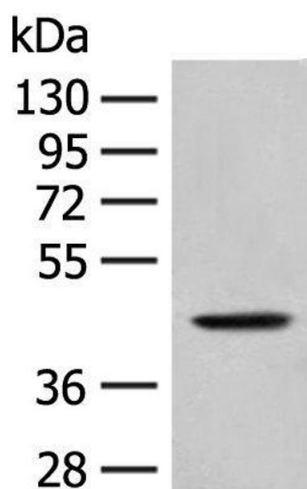
Storage: -20 °C

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



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using HLA-B Polyclonal Antibody at dilution of 1:30(x200)



#### Western Blotting

**Image 2.** Western blot analysis of A549 cell lysate using HLA-B Polyclonal Antibody at dilution of 1:400