

## HLA Class I Rabbit pAb

CatalogNo: YT5837

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human

#### Applications

- WB,ELISA

#### MW

- 40kD (Observed)

#### Isotype

- IgG

### Recommended Dilution Ratios

**WB 1:500-2000**

**ELISA 1:10000-20000**

### Storage

**Storage\*** -15°C to -25°C/1 year(Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human HLA Class I. AA range:204-253

**Specificity** The antibody detects endogenous HLA Class I protein

### Target Information

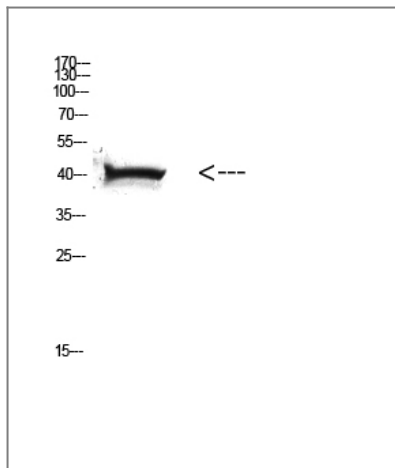
**Gene name** HLA-A HLAA

|                       |   |         |  |
|-----------------------|---|---------|--|
| Protein Name          | major histocompatibility complex, class I   |         |  |
|                       | Organism  | Gene ID | UniProt ID   |
|                       | Human   |         | <a href="#">P04439</a> ; <a href="#">P01889</a> ; <a href="#">P10321</a> ; |
| Cellular Localization | Golgi membrane,endoplasmic reticulum,Golgi apparatus,Golgi medial cisterna,plasma membrane,integral component of plasma membrane,cell surface,ER to Golgi transport vesicle membrane,membrane,integral component of membrane, |         |  |
| Tissue specificity    | A*3201,Blood,Brain,Buffy coat,Hematopoietic,Liver,Lung,Lymp   |         |  |

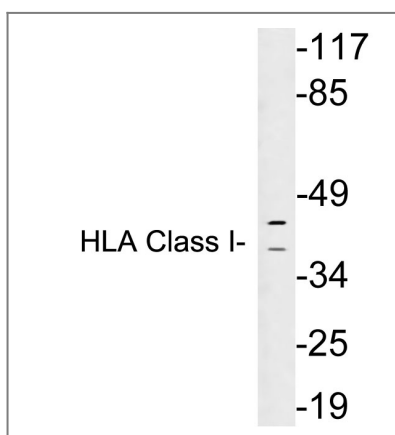
## Function

Function:Involved in the presentation of foreign antigens to the immune system.,polymorphism:The following alleles of A-1 are known: A\*0101, A\*0102, A\*0103, A\*0106 and A\*0107. The sequence shown is that of A\*0101.,polymorphism:The following alleles of A-11 are known: A\*1101 (A-11E), A\*1102 (A-11K), A\*1103, A\*1104, A\*1105 and A\*1107. The sequence shown is that of A\*1101.,polymorphism:The following alleles of A-2 are known: A\*0201, A\*0202, A\*0203, A\*0204, A\*0205, A\*0206 (A2.4A), A\*0207, A\*0208, A\*0209, A\*0210, A\*0211 (A2.5), A\*0212, A\*0213 (A\*02SLU), A\*0216, A\*0217, A\*0218 (A2K), A\*0219, A\*0220, A\*0221, A\*0231, A\*0234 (A\*AAT), A\*0235, A\*0236 and A\*0237. The sequence shown is that of A\*0201.,polymorphism:The following alleles of A-23 are known: A\*2301, A\*2302, A\*2303, A\*2304 and A\*2305. The sequence shown is that of A\*2301.,polymorphism:The following alleles of A-24 are known: A\*2401, A\*2402, A\*2403, A\*2406, A\*2408 (A9HH), A\*2410 (A\*24JV), A\*2413 (A\*24YM), A\*2414 (A\*24SA) and A\*2429. Allele A\*2402 is represented in all major racial groups. Allele A\*2406 and allele A\*2413 are found in the Australian Aboriginal population. Allele A\*2414 is found in individuals of South American descent. The sequence shown is that of A\*2402.,polymorphism:The following alleles of A-25 are known: A\*2501 A\*2502 and A\*2503. The sequence shown is that of A\*2501.,polymorphism:The following alleles of A-26 are known: A\*2601, A\*2602, A\*2603, A\*2604 (A-10SA), A\*2605, A\*2607, A\*2608, A\*2612 and A\*2615. The sequence shown is that of A\*2601.,polymorphism:The following alleles of A-29 are known: A\*2901 (A29.1), A\*2902 (A29.2), A\*2903 and A\*2904. The sequence shown is that of A\*2901.,polymorphism:The following alleles of A-3 are known: A\*0301 (A-3.1), A\*0302, A\*0304 and A\*0305. The sequence shown is that of A\*0301.,polymorphism:The following alleles of A-31 are known: A\*3101, A\*3102, A\*3103, A\*3104, A\*3105 (A3101v1) and A\*3106. The sequence shown is that of A\*3101.,polymorphism:The following alleles of A-32 are known: A\*3201, A\*3202, A\*3203, A\*3204, A\*3205 and A\*3206. The sequence shown is that of A\*3201.,polymorphism:The following alleles of A-34 are known: A\*3401 (Aw-34.1) and A\*3402 (Aw-34.2). The sequence shown is that of A\*3401.,polymorphism:The following alleles of A-36 are known: A\*3601 and A\*3602. The sequence shown is that of A\*3601.,polymorphism:The following alleles of A-66 are known: A\*6601 and A\*6602 (Aw67). The sequence shown is that of A\*6601.,polymorphism:The following alleles of A-68 are known: A\*6801 (Aw68.1), A\*6802, A\*6803. A\*6804, A\*6805, A\*6806, A\*6807, A\*6808, A\*6809, A\*6810, A\*6816 and A\*6817. The sequence shown is that of A\*6801.,polymorphism:The only allele of A-43 known is A\*4301 which is shown here.,polymorphism:The only allele of A-69 known is A\*6901 which is shown here.,polymorphism:The only allele of A-80 known is A\*8001 which is shown here.,PTM:Polyubiquitinated in a post ER compartment by interaction with human herpesvirus 8 MIR1 protein. This targets the protein for rapid degradation via the ubiquitin system.,PTM:Polyubiquitinated in a post ER compartment through interaction with human herpesvirus 8 MIR1 protein. This targets the protein for rapid degradation via the ubiquitin system.,PTM:Sulfated. Polyubiquitinated in a post ER compartment through interaction with human herpesvirus 8 MIR1 protein. This targets the protein for rapid degradation via the ubiquitin system.,sequence Caution:The sequence differs from that shown extensively.,similarity:Belongs to the MHC class I family.,similarity:Contains 1 Ig-like C1-type (immunoglobulin-like) domain.,subunit:Dimer of alpha chain and a beta chain (beta-2-microglobulin). Interacts with human herpesvirus 8 MIR1 protein.,subunit:Dimer of alpha chain and a beta chain (beta-2-microglobulin). Interacts with human herpesvirus 8 MIR1 protein. Interacts with HTLV-1 accessory protein p12I.,subunit:Heterodimer of an alpha chain and a beta chain (beta-2-microglobulin). Interacts with human herpesvirus 8 MIR1 protein.,

## Validation Data



Western Blot analysis of HELA cells using Antibody diluted at 500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western blot analysis of lysates from Ramos cells, using HLA Class I antibody.

## Contact information

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**HLA Class I Rabbit  
pAb**

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