HLA Class I Rabbit pAb

CatalogNo: YT5837

Key Features

Host Species	Reactivity	Applications
• Rabbit	• Human	• WB,ELISA

MW	Isotype
• 40kD (Observed)	• 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

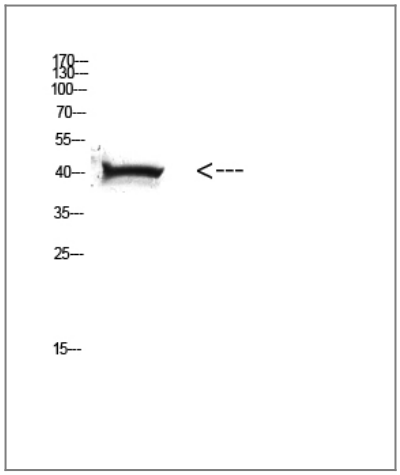
Protein Name	major histocompatibility complex, class I

Organism	Gene ID	UniProt ID
Human		P04439; P01889; P10321;

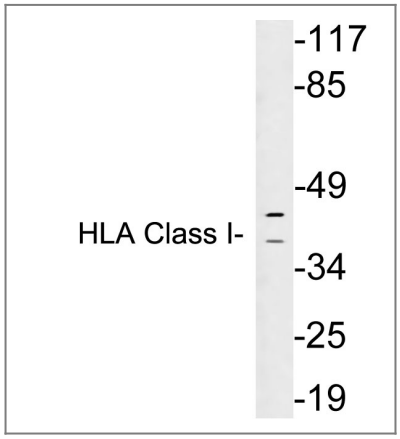
Cellular Localization	Golgi membrane,endoplasmic reticulum,Golgi apparatus,Golgi medial cisterna,plasma membrane,integral component of plasma membrane,cell surface,ER to Golgi transport vesicle membrane,membrane,integral component of membrane,
Tissue specificity	A*3201,Blood,Brain,Buffy coat,Hematopoietic,Liver,Lung,Lymp

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 Aborigenal 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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Please scan the QR code to access additional product information:
HLA Class I Rabbit pAb