

## HLA class I (HLA-C) Polyclonal antibody

Catalog Number: 15777-1-AP

3 Publications

## Basic Information

## Catalog Number:

15777-1-AP

## Size:

350 ug/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG8461

## GenBank Accession Number:

BC007814

## GeneID (NCBI):

3107

## UNIPROT ID:

P10321

## Full Name:

major histocompatibility complex, class I, C

## Calculated MW:

366 aa, 41 kDa

## Observed MW:

44 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:2000-1:16000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:400-1:1600

IF/ICC 1:250-1:1000

## Applications

## Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

## Cited Applications:

WB, IHC, Cell treatment

## Species Specificity:

human

## Cited Species:

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Positive Controls:

WB : HL-60 cells, HeLa cells, HepG2 cells, Jurkat cells

IP : Jurkat cells,

IHC : human tonsillitis tissue,

IF/ICC : HeLa cells,

## Background Information

Human major histocompatibility complex (MHC) antigens, also referred to as human leukocyte antigens (HLA), are encoded by genes located on the short arm of chromosome 6 (6p21.3). There are two classes of HLA antigens: class I (HLA-A, B and C) and class II (HLA-D). This class I molecules are polymorphic membrane glycoproteins composed of a heavy (alpha) chain (44 kDa) which is encoded by a HLA class I gene (HLA-A, B or C), and  $\beta$  2-microglobulin light (beta) chain (12 kDa). They are involved in the presentation of foreign antigens to the immune system. This polyclonal antibody raised against human HLA-C can also react with HLA-A and HLA-B. (PMID: 667938; 3375250)

## Notable Publications

Author	Pubmed ID	Journal	Application
Hong Lv	31018729	J Matern Fetal Neonatal Med	WB
Wanyu Li	39048821	Nature	Cell treatment
Yanling Wang	38694916	Front Pharmacol	IHC

## Storage

## Storage:

Store at -20°C. Stable for one year after shipment.

## Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

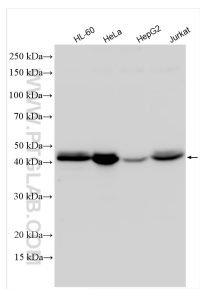
For technical support and original validation data for this product please contact:

T: 4006900926

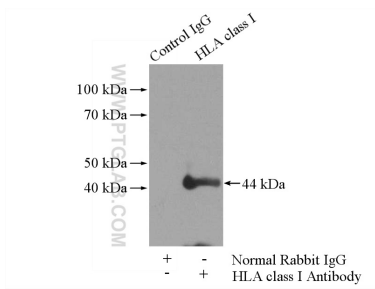
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

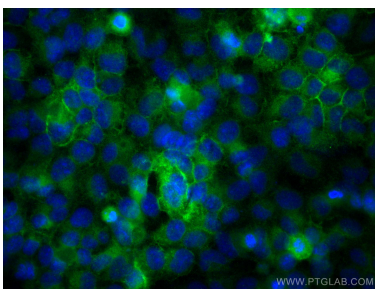
Selected Validation Data



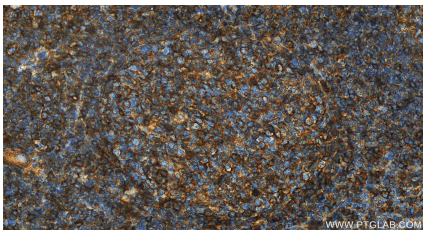
Various lysates were subjected to SDS PAGE followed by western blot with 15777-1-AP (HLA class I (HLA-C) antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



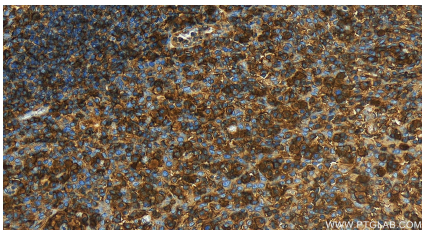
IP result of anti-HLA class I (HLA-C) (IP:15777-1-AP, 4ug; Detection:15777-1-AP 1:1000) with Jurkat cells lysate 2400ug.



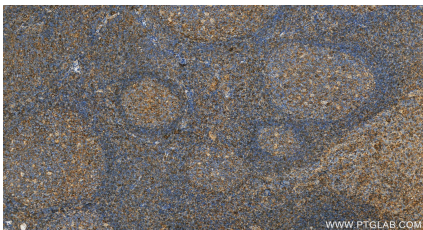
Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using HLA class I (HLA-C) antibody (15777-1-AP) at dilution of 1:500 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 15777-1-AP (HLA class I (HLA-C) antibody) at dilution of 1:800 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 15777-1-AP (HLA class I (HLA-C) antibody) at dilution of 1:800 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 15777-1-AP (HLA class I (HLA-C) antibody) at dilution of 1:800 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).