

For Research Use Only

# HLA-A Polyclonal antibody

Catalog Number: 55383-1-AP 1 Publications



## Basic Information

Catalog Number:

55383-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_002116

GeneID (NCBI):

3105

UNIPROT ID:

P04439

Full Name:

major histocompatibility complex, class I, A

Calculated MW:

41 kDa

Observed MW:

41-44 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

## Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

IF

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: HepG2 cells, HeLa cells, A431 cells

IHC: human kidney tissue, human small intestine tissue

## 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. (PMID: 667938; 3375250)

## Notable Publications

Author	Pubmed ID	Journal	Application
Lucas A Tavares	31915283	J Virol	IF

## Storage

Storage:

Store at -20°C.

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:

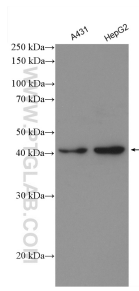
T: 4006900926

E: Proteintech-CN@ptglab.com

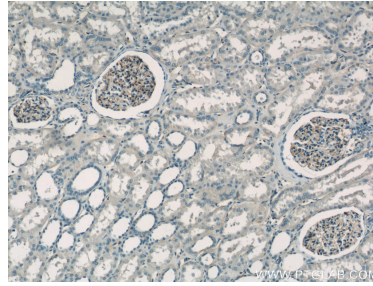
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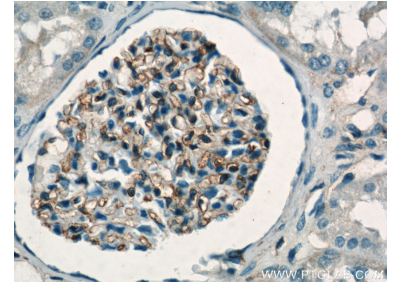
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 55383-1-AP (HLA-A antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 55383-1-AP (HLA-A Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 55383-1-AP (HLA-A Antibody) at dilution of 1:50 (under 40x lens).