For Research Use Only

HLA-A Polyclonal antibody

Catalog Number:55383-1-AP 1 Publications

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Basic Information

Catalog Number:
55383-1-AP

Size:
150ul , Concentration: 500 μg/ml by Nanodrop and 267 μg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_002116

GeneID (NCBI):
3105

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 β2-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

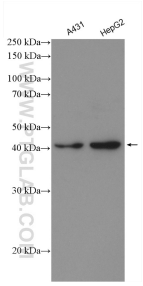
Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

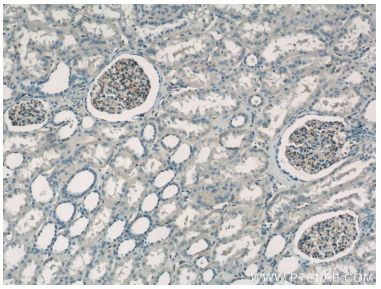
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

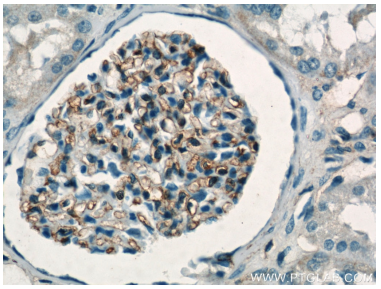
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 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).