

HLA class I (HLA-B) Polyclonal antibody

Catalog Number: 17260-1-AP

8 Publications

Basic Information

Catalog Number:

17260-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10947

GenBank Accession Number:

BC013187

GeneID (NCBI):

3106

UNIPROT ID:

P01889

Full Name:

major histocompatibility complex, class I, B

Calculated MW:

362 aa, 40 kDa

Observed MW:

40-45 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:1000-1:4000

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

IHC: 1:50-1:500

IF/ICC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, 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 : A549 cells, HepG2 cells, Jurkat cells, MCF-7 cells, HeLa cells

IP : HepG2 cells,

IHC : human stomach cancer tissue, human heart tissue, human kidney tissue, human lung tissue, human ovary tissue, human spleen tissue, human tonsillitis tissue

IF/ICC : HepG2 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 β 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-B can also react with HLA-A and HLA-C. (PMID: 667938; 3375250)

Notable Publications

Author	Pubmed ID	Journal	Application
Chao Zhang	35361683	Gut	IHC
Lisa L Kirkemo	35257663	Elife	IF
Ting Li	34238922	Cell Death Dis	WB

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

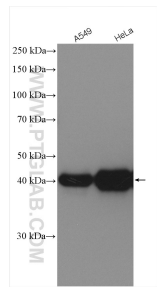
For technical support and original validation data for this product please contact:

T: 4006900926

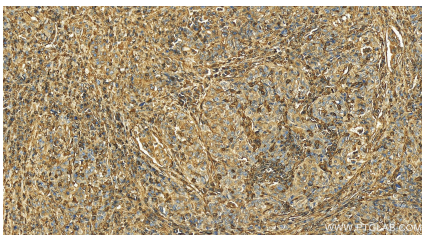
E: Proteintech-CN@ptglab.comW: ptgcn.com

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

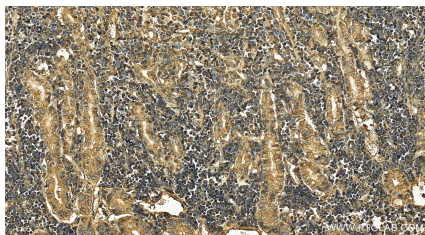
Selected Validation Data



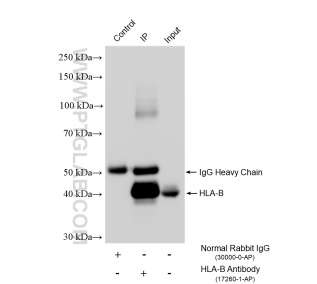
Various lysates were subjected to SDS PAGE followed by western blot with 17260-1-AP (HLA class I (HLA-B) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



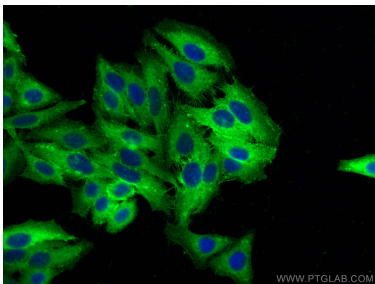
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 17260-1-AP (HLA class I (HLA-B) antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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IP result of anti-HLA class I (HLA-B) (IP:17260-1-AP, 4ug; Detection:17260-1-AP 1:4000) with HepG2 cells lysate 2000 ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using HLA class I (HLA-B) antibody (17260-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).