

# HLA-G Polyclonal antibody

Catalog Number: 16913-1-AP

3 Publications

## Basic Information

## Catalog Number:

16913-1-AP

## Size:

300 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG10577

## GenBank Accession Number:

BC021708

## GeneID (NCBI):

3135

## UNIPROT ID:

P17693

## Full Name:

major histocompatibility complex,  
class I, G

## Calculated MW:

338 aa, 38 kDa

## Observed MW:

33-45 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:1000-1:4000

## Applications

## Tested Applications:

WB, ELISA

## Cited Applications:

WB, IHC

## Species Specificity:

human

## Cited Species:

human

## Positive Controls:

WB : human placenta 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). HLA-G is a non-classical MHC class I molecule with multiple immunoregulatory properties. HLA-G exhibits a restricted pattern of expression that includes placental extravillous trophoblasts at the maternal-fetal interface, where it abolishes maternal immune cell activity against fetus and establishes immune tolerance. Aberrant expression of HLA-G has been found in a variety of human neoplastic diseases. It plays an important role in the escape of tumor cells from immunosurveillance.

## Notable Publications

| Author      | Pubmed ID | Journal       | Application |
|-------------|-----------|---------------|-------------|
| Zhi Chen    | 34105233  | Aging Cell    | IHC         |
| Xinyuan Cui | 31889361  | Cell Prolif   | WB          |
| Jiayu Wang  | 34489969  | Front Immunol | 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

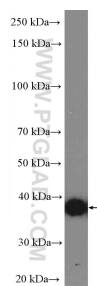
For technical support and original validation data for this product please contact:

T: 4006900926

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

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## Selected Validation Data



human placenta tissue were subjected to SDS PAGE followed by western blot with 16913-1-AP (HLA-G Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.