

For Research Use Only

# HLA-F Polyclonal antibody

Catalog Number: 14670-1-AP

Featured Product

10 Publications



## Basic Information

**Catalog Number:**

14670-1-AP

**Size:**

300 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG6335

**GenBank Accession Number:**

BC062991

**GeneID (NCBI):**

3134

**UNIPROT ID:**

P30511

**Full Name:**

major histocompatibility complex, class I, F

**Calculated MW:**

39 kDa

**Observed MW:**

40-45 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:4000

IHC 1:50-1:500

## Applications

**Tested Applications:**

IHC, WB, ELISA

**Cited Applications:**

WB, IF, IHC

**Species Specificity:**

human

**Cited Species:**

human, mouse, rat

**Positive Controls:**

**WB:** Raji cells, human placenta tissue, human spleen tissue, A431 cells

**IHC:** human tonsillitis tissue, human placenta tissue, human skin cancer tissue, human spleen tissue

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

## 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 and class II. This class I molecules are membrane glycoproteins composed of a heavy (alpha) chain which is encoded by a HLA class I gene, and  $\beta$  2-microglobulin light (beta) chain. The most extensively characterized members of the HLA class I gene family are the genes encoding the major transplantation antigens, HLA-A, B and C. HLA-F is a non-classical MHC class I molecule. (PMID: 667938; 3375250; 2249951)

## Notable Publications

Author	Pubmed ID	Journal	Application
Aya Harada	26332651	Pathol Int	IHC
Yongfu Xu	25435979	Oncol Lett	IHC
Xin Chen	33867844	Int J Biol Sci	WB

## 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:

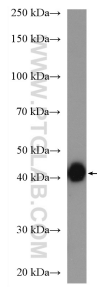
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E: Proteintech-CN@ptglab.com

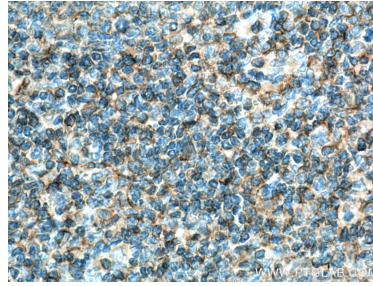
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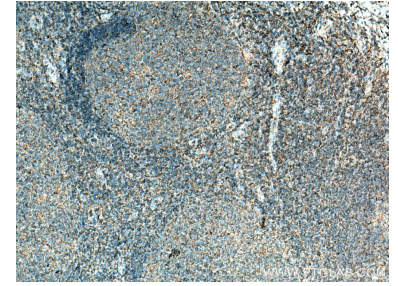
## Selected Validation Data



Raji cells were subjected to SDS PAGE followed by western blot with 14670-1-AP (HLA-F antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 14670-1-AP (HLA-F antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 14670-1-AP (HLA-F antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).