

# Human IgA Heavy Chain Polyclonal antibody

Catalog Number: 11449-1-AP

9 Publications

## Basic Information

## Catalog Number:

11449-1-AP

## Size:

850 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG2007

## GenBank Accession Number:

BC016369

## GeneID (NCBI):

3493

## Full Name:

immunoglobulin heavy constant  
alpha 1

## Calculated MW:

496 aa, 53 kDa

## Observed MW:

53 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:2000

IHC 1:5000-1:20000

IF 1:200-1:800

## Applications

## Tested Applications:

IF-P, IHC, WB, ELISA

## Cited Applications:

WB, IF, IHC

## Species Specificity:

human

## Cited Species:

human, mouse, pig

**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 : human plasma tissue, human lung tissue

IHC : human tonsillitis tissue,

IF : human tonsillitis tissue,

## Background Information

Ig alpha is the major immunoglobulin class in body secretions. It may serve both to defend against local infection and to prevent access of foreign antigens to the general immunologic system. This antibody recognizes the Chain C region of human Ig alpha-1 (IGHA1).

## Notable Publications

Author	Pubmed ID	Journal	Application
Airu Liu	36118029	Front Cell Infect Microbiol	IHC
Yan Yan	33188798	J Infect	IHC
Anne Kathrin Wessig	35296708	Sci Rep	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

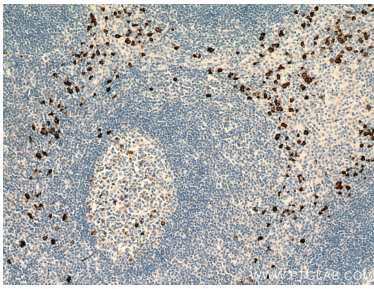
For technical support and original validation data for this product please contact:

T: 4006900926

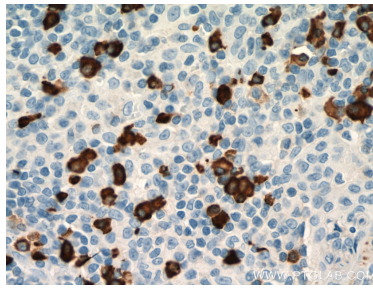
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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

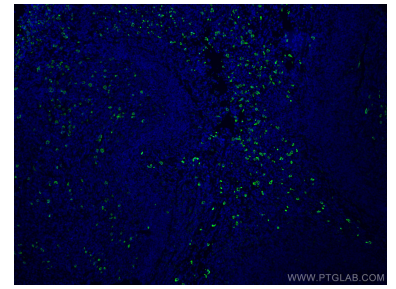
## Selected Validation Data



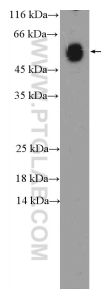
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 11449-1-AP (Human IgA Heavy Chain antibody) at dilution of 1:10000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 11449-1-AP (Human IgA Heavy Chain antibody) at dilution of 1:10000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using Human IgA Heavy Chain antibody (11449-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



human plasma (0.3 ug) were subjected to SDS PAGE followed by western blot with 11449-1-AP (Human IgA Heavy Chain antibody) at dilution of 1:1000. (1 Sec exposure) incubated at room temperature for 1.5 hours.