

For Research Use Only

# LRRC32 Polyclonal antibody

Catalog Number: 26021-1-AP

1 Publications



## Basic Information

Catalog Number:

26021-1-AP

Size:

650 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG23423

GenBank Accession Number:

BC070079

GeneID (NCBI):

2615

UNIPROT ID:

Q14392

Full Name:

leucine rich repeat containing 32

Calculated MW:

72 kDa

Observed MW:

80 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IHC 1:50-1:500

## Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

mouse

**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 : HUVEC cells,

IHC : human tonsillitis tissue, mouse spleen tissue

## Background Information

LRRC32, also known as GARP, is a transmembrane protein of 662 amino acids, the extracellular portion of which contains 20 leucine-rich repeats (PMID: 8180135). LRRC32 is a cell surface receptor on regulatory T-lymphocytes (Treg cells), platelets, hepatic stellate cells and certain cancer cells (PMID: 27054568). It has been demonstrated as a Treg-specific activation marker (PMID: 20137067). LRRC32 is critical for the surface expression of latent TGF-β by binding to the complex and functioning as its cell surface receptor (PMID: 19651619).

## Notable Publications

Author	Pubmed ID	Journal	Application
Qimeng Shi	39252968	iScience	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:

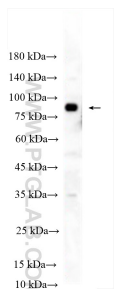
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

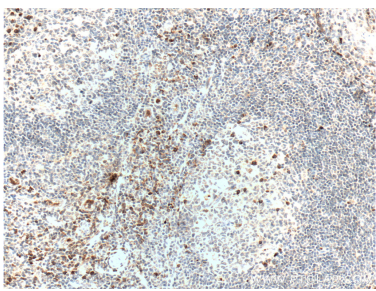
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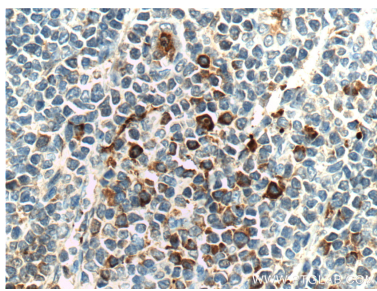
## Selected Validation Data



HUVEC cells were subjected to SDS PAGE followed by western blot with 26021-1-AP (LRRC32 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 26021-1-AP (LRRC32 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 26021-1-AP (LRRC32 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).