

For Research Use Only

# C5orf24 Polyclonal antibody

Catalog Number: 24319-1-AP

1 Publications



## Basic Information

### Catalog Number:

24319-1-AP

### Size:

150ul, Concentration: 850 ug/ml by Nanodrop and 447 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG19534

### GenBank Accession Number:

BC053677

### GeneID (NCBI):

134553

### UNIPROT ID:

Q7Z6I8

### Full Name:

chromosome 5 open reading frame 24

### Calculated MW:

188 aa, 20 kDa

### Observed MW:

23 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:500-1:2000

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

IHC: 1:50-1:500

IF/ICC: 1:200-1:800

FC (Intra): 0.40 ug per 10<sup>6</sup> cells in a 100 µl suspension

## Applications

### Tested Applications:

WB, IHC, IF/ICC, FC (Intra), IP, ELISA

### Cited Applications:

WB

### Species Specificity:

human

### Cited Species:

pig

### Positive Controls:

WB : HEK-293 cells,

IP : HEK-293 cells,

IHC : human pancreas tissue, human kidney tissue

IF/ICC : HEK-293 cells,

FC (Intra) : HEK-293 cells,

**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

C5orf24 is a cellular transcriptional regulator that performs different functions in different cell types, including the processes of cell proliferation, cell polarization, migration, and tumor development. C5orf24 is able to specifically and efficiently capture a wide range of tuberculosis antigens, which is important for the diagnosis of tuberculosis. C5orf24 has two isoforms with MW 20 kDa and 16 kDa. For phosphoserine modification, the MW is about 20-23 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xu Ye	29887867	Front Immunol	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

\*\*\* 20ul sizes contain 0.1% BSA

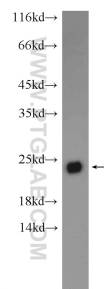
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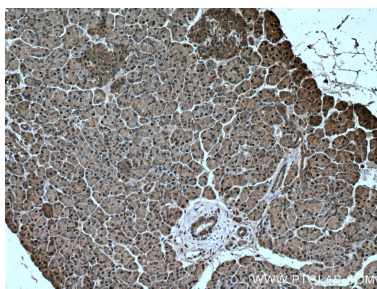
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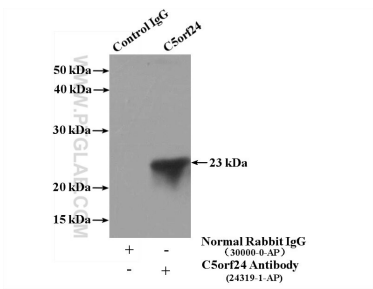
Selected Validation Data



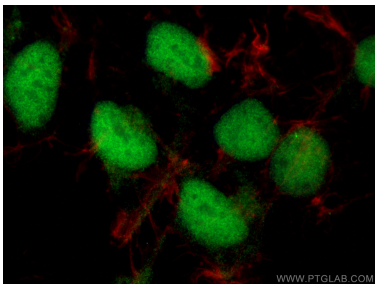
HEK-293 cells were subjected to SDS PAGE followed by western blot with 24319-1-AP (C5orf24 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



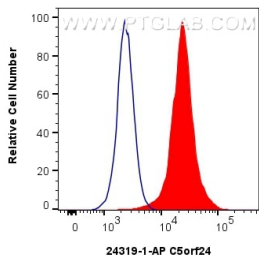
Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 24319-1-AP (C5orf24 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-C5orf24 (IP:24319-1-AP, 4ug; Detection:24319-1-AP 1:1000) with HEK-293 cells lysate 3200ug.



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using C5orf24 antibody (24319-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



1x10<sup>6</sup> HEK-293 cells were intracellularly stained with 0.4 ug C5orf24 Polyclonal antibody (24319-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.4 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).