

For Research Use Only

# FAM96A Polyclonal antibody

Catalog Number: 20776-1-AP

1 Publications



## Basic Information

Catalog Number:

20776-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14770

GenBank Accession Number:

BC008865

GeneID (NCBI):

84191

UNIPROT ID:

Q9H5X1

Full Name:

family with sequence similarity 96, member A

Calculated MW:

160 aa, 18 kDa

Observed MW:

18-21 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

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

## Applications

Tested Applications:

IHC, IF/ICC, IP, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human

**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:

IP: U-937 cells, THP-1 cells

IHC: mouse colon tissue, rat colon tissue

IF/ICC: A431 cells, U-251 cells

## Background Information

FAM96A (family with sequence similarity 96, member A), also called cytosolic iron-sulfur assembly component 2A (CIAO2A), a recently identified member of the cytosolic iron-sulfur (Fe/S) protein assembly machinery and regulator of cellular iron homeostasis, is a novel pro-apoptotic APAF1-binding protein facilitating the effective induction of cell death via the mitochondrial apoptosis pathway. FAM96A is substantially enriched in macrophages comprised primarily of a DUF59 domain (residues 31-157) and an N-terminal signal peptide (residues 1-27), that is expressed at low levels in tumor cells (PMID: 29399066).

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiaorui Fan	35654137	J Biol Chem	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

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

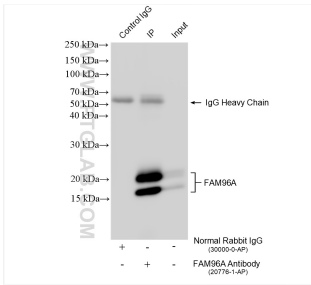
T: 4006900926

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.

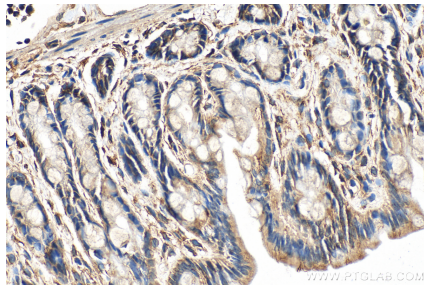
Selected Validation Data



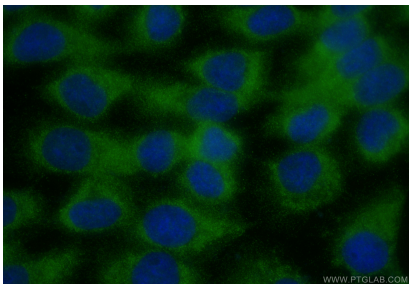
IP result of anti-FAM96A (IP:20776-1-AP, 4ug; Detection:20776-1-AP 1:600) with U-937 cells lysate 2240 ug.



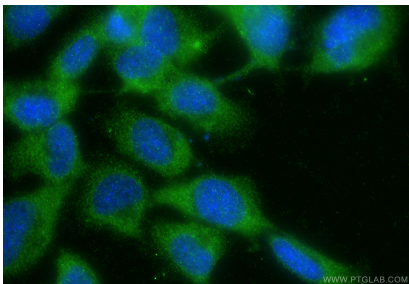
Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 20776-1-AP (FAM96A antibody) at dilution of 1:100 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat colon tissue slide using 20776-1-AP (FAM96A antibody) at dilution of 1:100 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using FAM96A antibody (20776-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunofluorescent analysis of (-20°C Ethanol) fixed U-251 cells using FAM96A antibody (20776-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).