

For Research Use Only

# FAM136A Polyclonal antibody

Catalog Number: 30845-1-AP

1 Publications



## Basic Information

### Catalog Number:

30845-1-AP

### Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG34058

### GenBank Accession Number:

BC014975

### GeneID (NCBI):

84908

### UNIPROT ID:

Q96C01

### Full Name:

family with sequence similarity 136, member A

### Observed MW:

15 kDa

### Purification Method:

Antigen affinity Purification

### Recommended Dilutions:

WB 1:500-1:3000

IHC 1:50-1:500

IF/ICC 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse

### Cited Species:

human

### Positive Controls:

WB : U2OS cells, A549 cells, HeLa cells, Jurkat cells, MCF-7 cells, mouse testis tissue

IHC : human ovary cancer tissue,

IF/ICC : U2OS 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

FAM136A is an evolutionarily conserved nuclear gene encoding a mitochondrial protein whose specific function is unknown, but which is commonly found in neurosensory epithelial cells, where it plays a role in the electron transport chain of respiration (PMID: 37461313). FAM136A, with a molecular mass of 16-kDa, is normally expressed in the cytoplasm and has been linked to familial Meniere's disease.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yushi Otsuka	39821719	FEBS Open Bio	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

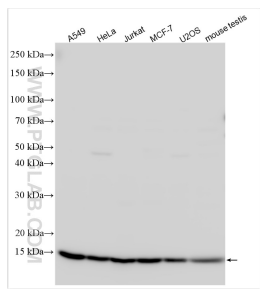
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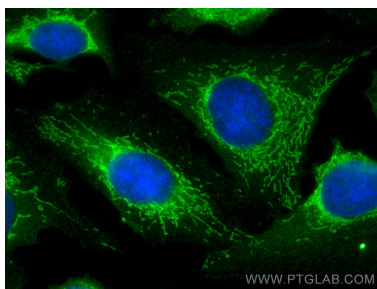
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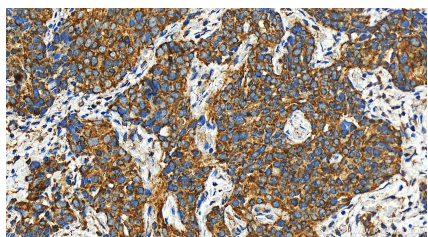
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30845-1-AP (FAM136A antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed U2OS cells using FAM136A antibody (30845-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 30845-1-AP (FAM136A antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).