

For Research Use Only

# EFCAB1 Polyclonal antibody

Catalog Number: 17276-1-AP

1 Publications



## Basic Information

### Catalog Number:

17276-1-AP

### Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 193 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG11039

### GenBank Accession Number:

BC025676

### GeneID (NCBI):

79645

### UNIPROT ID:

Q9HAE3

### Full Name:

EF-hand calcium binding domain 1

### Calculated MW:

211 aa, 24 kDa

### Observed MW:

24 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse

### 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:

WB : HeLa cells,

IHC : human colon tissue, human liver tissue, mouse testis tissue

## Background Information

EFCAB1, also known as Calaxin, is a gene that encodes a protein involved in the function of cilia and flagella, which are hair-like structures protruding from the surface of certain cells. Research indicates that EFCAB1 overexpression inhibits cell proliferation, migration, and invasion while promoting apoptosis in lung adenocarcinoma cells. This suggests that EFCAB1 could potentially serve as a biomarker for lung adenocarcinoma.

## Notable Publications

Author	Pubmed ID	Journal	Application
Shengjia Shi	38934611	Andrology	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

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

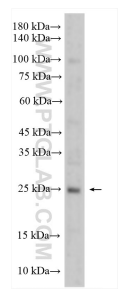
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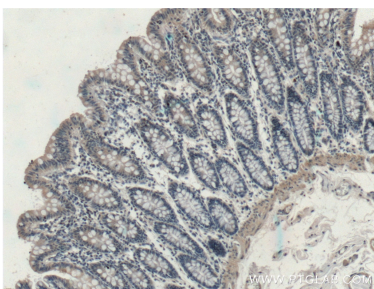
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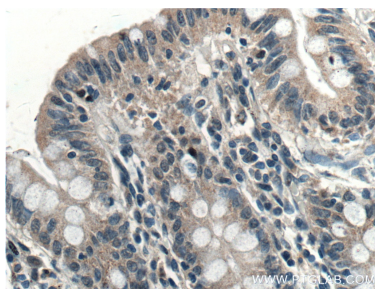
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 17276-1-AP (EFCAB1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 17276-1-AP (EFCAB1 antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 17276-1-AP (EFCAB1 antibody) at dilution of 1:200 (under 40x lens).