

For Research Use Only

# Willin Polyclonal antibody

Catalog Number: 21039-1-AP

1 Publications



## Basic Information

|   |   |  |
|---|---|--|
| <b>Catalog Number:</b><br>21039-1-AP                          | <b>GenBank Accession Number:</b><br>BC029870  | <b>Purification Method:</b><br>Antigen affinity purification       |
| <b>Size:</b><br>150ul , Concentration: 300 ug/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>122786               | <b>Recommended Dilutions:</b><br>WB 1:200-1:1000<br>IHC 1:20-1:200 |
| <b>Source:</b><br>Rabbit                                      | <b>UNIPROT ID:</b><br>Q96NE9                  |  |
| <b>Isotype:</b><br>IgG  | <b>Full Name:</b><br>FERM domain containing 6 |  |
| <b>Immunogen Catalog Number:</b><br>AG15375                   | <b>Calculated MW:</b><br>622 aa, 72 kDa       |  |

## Applications

|  |  |
|--|--|
| <b>Tested Applications:</b><br>WB, IHC, FC (Intra), ELISA  | <b>Positive Controls:</b>                                  |
| <b>Cited Applications:</b><br>IHC  | <b>WB :</b> U-251 cells,                                   |
| <b>Species Specificity:</b><br>human, mouse, rat   | <b>IHC :</b> human liver cancer tissue, human liver tissue |
| <b>Cited Species:</b><br>human   |  |
| <b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b> |  |

## Background Information

Willin, also known as FRMD6 or human Expanded (hEx), is a member of the FERM-domain family of cytoskeletal crosslinkers. It is a potent inhibitor of cell proliferation, transformation and modulator of drug sensitivity, suggesting it possesses tumor suppressor properties. Willin is widely expressed in normal tissues. Although willin is found in the cytoplasm and membrane, it localizes to the nuclei of almost all tumors. This antibody was raised against the C-terminal region of human FRMD6 protein and is expected to recognize the endogenous FRMD6.

## Notable Publications

| Author             | Pubmed ID | Journal    | Application |
|--------------------|-----------|------------|-------------|
| Augustin Nzitakera | 39394554  | BMC Cancer | IHC         |

## Storage

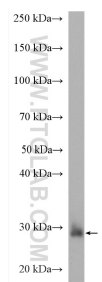
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

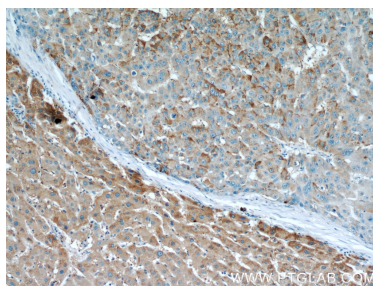
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

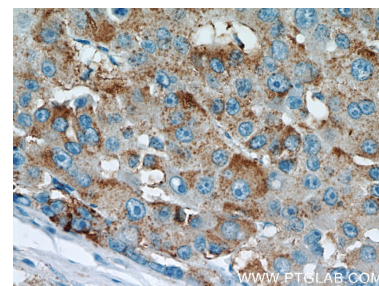
## Selected Validation Data



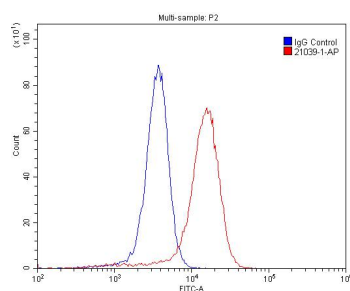
U-251 cells were subjected to SDS PAGE followed by western blot with 21039-1-AP (Willin antibody) at dilution of 1:200 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer using 21039-1-AP (Willin antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver cancer using 21039-1-AP (Willin antibody) at dilution of 1:50 (under 40x lens).



1X10<sup>6</sup> A431 cells were stained with .2ug Willin antibody (21039-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated Goat Anti-Mouse IgG(H+L) with dilution 1:1500.