

For Research Use Only

# Frizzled 7 Polyclonal antibody

Catalog Number: 16974-1-AP

Featured Product

12 Publications



## Basic Information

### Catalog Number:

16974-1-AP

### Size:

150ul, Concentration: 800 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG9446

### GenBank Accession Number:

BC015915

### GeneID (NCBI):

8324

### UNIPROT ID:

O75084

### Full Name:

frizzled homolog 7 (Drosophila)

### Calculated MW:

574 aa, 64 kDa

### Observed MW:

64 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 1:400-1:1600

## Applications

### Tested Applications:

WB, IP, IHC, ELISA

### Cited Applications:

WB, IF, RIP, IHC, ColP

### Species Specificity:

human, mouse

### Cited Species:

human, mouse

**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 : mouse skeletal muscle tissue, mouse heart tissue, mouse kidney tissue

IP : mouse skeletal muscle tissue,

IHC : human small intestine tissue,

## Background Information

Frizzled class receptor 7 (Frizzled 7, also known as FZD7) is a member of the superfamily of G protein-coupled receptor proteins that act as receptors in the Wnt signaling pathway. Frizzled 7 plays a role in development, stem cell renewal, and differentiation and has been implicated in the progression of various cancers.

## Notable Publications

| Author          | Pubmed ID | Journal       | Application |
|-----------------|-----------|---------------|-------------|
| Yongzhong Cheng | 31733054  | Med Sci Monit | WB          |
| Wenjia Liu      | 30555565  | Theranostics  | WB          |
| Kate Sokolina   | 28298427  | Mol Syst Biol | 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

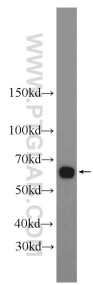
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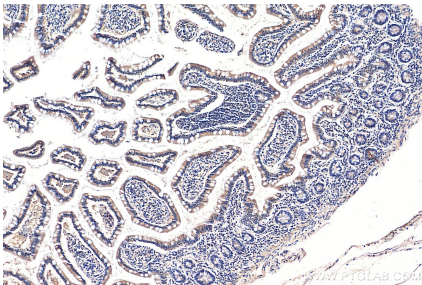
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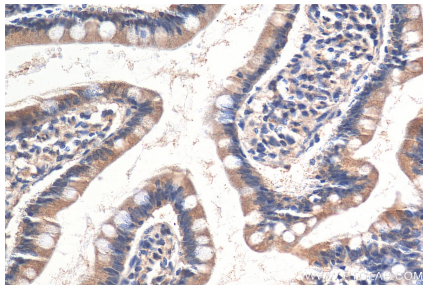
Selected Validation Data



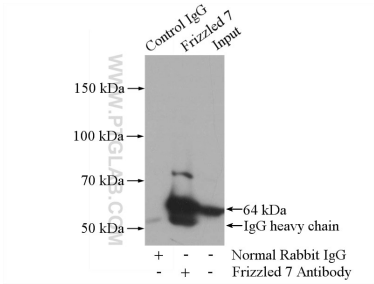
mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 16974-1-AP (Frizzled 7 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 16974-1-AP (Frizzled 7 antibody) at dilution of 1:800 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 16974-1-AP (Frizzled 7 antibody) at dilution of 1:800 (under 40x lens).



IP result of anti-Frizzled 7 (IP:16974-1-AP, 4ug; Detection:16974-1-AP 1:600) with mouse skeletal muscle tissue lysate 2200ug.