

For Research Use Only

# 14-3-3 Sigma Polyclonal antibody

Catalog Number: 10622-1-AP

3 Publications



## Basic Information

### Catalog Number:

10622-1-AP

### Size:

150ul, Concentration: 650 ug/ml by Nanodrop and 367 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG0973

### GenBank Accession Number:

BC002995

### GeneID (NCBI):

2810

### UNIPROT ID:

P31947

### Full Name:

stratifin

### Calculated MW:

28 kDa

### Observed MW:

28-30 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:250-1:1000

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC

### 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 : A431 cells, A549 cells, HeLa cells, U2OS cells

IHC : mouse skin tissue, human bowen disease

## Background Information

14-3-3 Sigma is a member 14-3-3 family of highly conserved proteins participating in diverse cellular processes including cell cycle progression. It is exclusively present in various epithelial cells, and alternatively named as human epithelial marker (HEM), or stratifin. Alteration of its expression has been linked to cancer.

## Notable Publications

| Author          | Pubmed ID | Journal        | Application |
|-----------------|-----------|----------------|-------------|
| Qihang Peng     | 39022804  | J Proteome Res | WB, IHC     |
| Yuliang Ren     | 37922793  | Phytomedicine  | WB          |
| Thomas J Nelson | 37221295  | Sci Rep        | 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

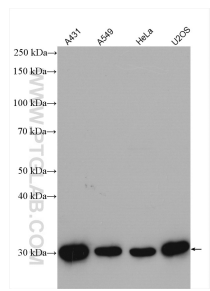
For technical support and original validation data for this product please contact:

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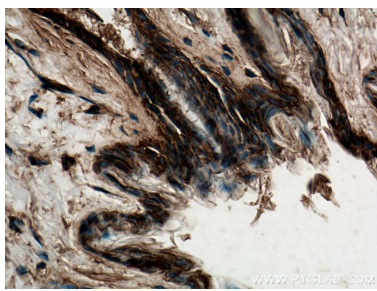
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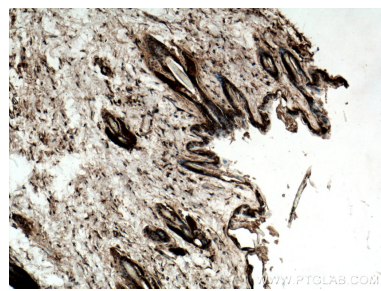
Selected Validation Data



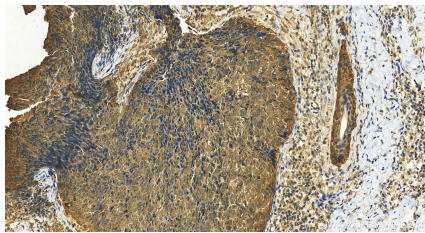
Various lysates were subjected to SDS PAGE followed by western blot with 10622-1-AP (14-3-3 sigma antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



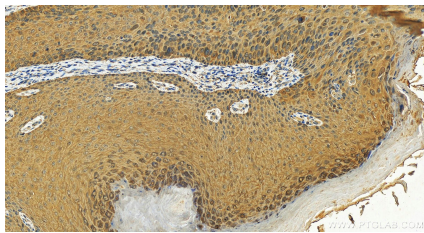
Immunohistochemical analysis of paraffin-embedded mouse skin tissue slide using 10622-1-AP (14-3-3 sigma antibody) at dilution of 1:500 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded mouse skin tissue slide using 10622-1-AP (14-3-3 sigma antibody) at dilution of 1:500 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human bowen disease slide using 10622-1-AP (14-3-3 Sigma antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human bowen disease slide using 10622-1-AP (14-3-3 Sigma antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).