

For Research Use Only

# S100A10 Recombinant antibody

Catalog Number: 81017-1-RR



## Basic Information

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|--|---|--|
| <b>Catalog Number:</b><br>81017-1-RR                           | <b>GenBank Accession Number:</b><br>BC015973          | <b>Purification Method:</b><br>Protein A purification                |
| <b>Size:</b><br>100ul , Concentration: 1000 µg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>6281                         | <b>CloneNo.:</b><br>8G23   |
| <b>Source:</b><br>Rabbit                                       | <b>Full Name:</b><br>S100 calcium binding protein A10 | <b>Recommended Dilutions:</b><br>WB 1:5000-1:50000<br>IHC 1:50-1:500 |
| <b>Isotype:</b><br>IgG   | <b>Calculated MW:</b><br>11 kDa                       |  |
| <b>Immunogen Catalog Number:</b><br>AG1779                     |   |  |

## Applications

### Tested Applications:

IHC, WB, ELISA

### Species Specificity:

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, U2OS cells, HaCaT cells, human lung tissue

**IHC :** human lung cancer tissue, mouse skin tissue, human pancreas cancer tissue, mouse lung tissue

## Background Information

S100A10, also known as p11, is a member of the S100 family of small, EF hand containing dimeric proteins. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100A10 is present on the surface of endothelial and other cells in a heterotetrameric complex with another Ca(2+)-binding protein, annexin II. S100A10 may function in exocytosis and endocytosis.

## Storage

### Storage:

Store at -20°C.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

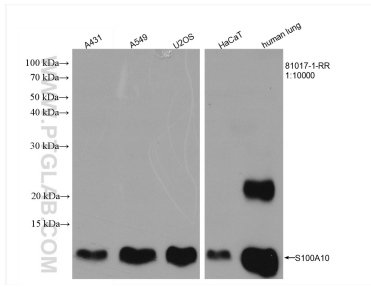
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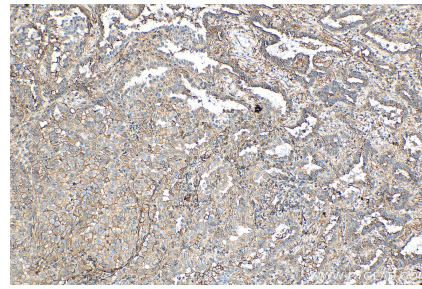
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W: ptglab.com

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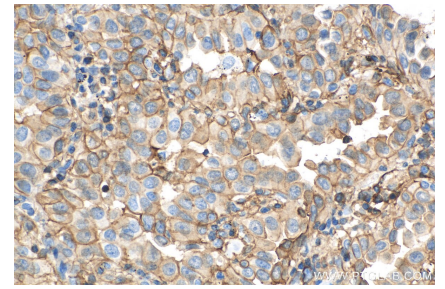
## Selected Validation Data



A431 cells were subjected to SDS PAGE followed by western blot with 81017-1-RR (S100A10 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 81017-1-RR (S100A10 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 81017-1-RR (S100A10 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).