

For Research Use Only

# S100A10 Recombinant antibody

Catalog Number: 81017-1-RR



## Basic Information

Catalog Number: 81017-1-RR	GenBank Accession Number: BC015973	Purification Method: Protein A purification
Size: 1000 ug/ml	GeneID (NCBI): 6281	CloneNo.: 8G23
Source: Rabbit	UNIPROT ID: P60903	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:1000-1:4000
Isotype: IgG	Full Name: S100 calcium binding protein A10	
Immunogen Catalog Number: AG1779	Calculated MW: 11 kDa Observed MW: 11 kDa	

## Applications

Tested Applications:  
WB, IHC, 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 colon tissue, mouse skin tissue, human pancreas cancer tissue, human lung 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. 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

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

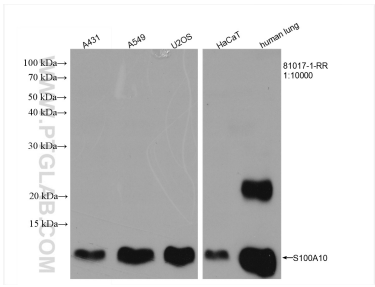
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

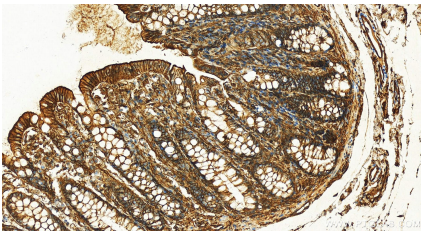
W: [ptgcn.com](http://ptgcn.com)

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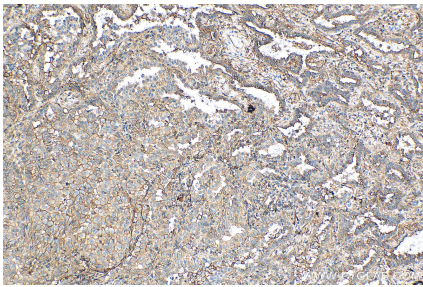
Selected Validation Data



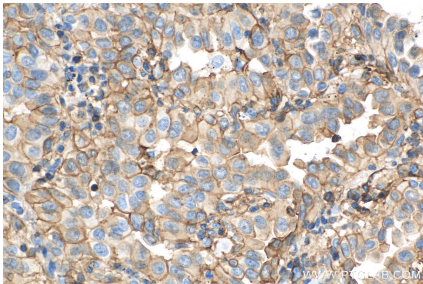
A431 cells were subjected to SDS PAGE followed by western blot with 81017-1-RR (S100A10 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



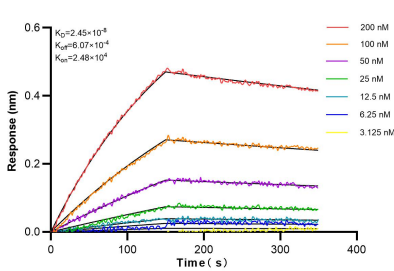
Immunohistochemical analysis of paraffin-embedded human normal colon slide using 81017-1-RR (S100A10 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human 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).



Biolayer interferometry (BLI) kinetic assays of 81017-1-RR against Human S100A10 were performed. The affinity constant is 24.5 nM.