

## S100A10 Polyclonal antibody

Catalog Number: 11250-1-AP

Featured Product

39 Publications

## Basic Information

## Catalog Number:

11250-1-AP

## Size:

500 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG1779

## GenBank Accession Number:

BC015973

## GeneID (NCBI):

6281

## UNIPROT ID:

P60903

## Full Name:

S100 calcium binding protein A10

## Calculated MW:

11 kDa

## Observed MW:

11 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:2000

IHC 1:100-1:1000

IF 1:50-1:500

## Applications

## Tested Applications:

FC, IF/ICC, IHC, WB, ELISA

## Cited Applications:

WB, IP, IF, FC, IHC, ELISA

## Species Specificity:

human

## Cited Species:

human, rat, 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, HeLa cells, HT-29 cells, human lung tissue, HaCaT cells

**IHC** : human lung cancer tissue, human gliomas tissue, human pancreas cancer tissue, human skin tissue, human cervical cancer tissue, human prostate hyperplasia tissue

**IF** : HepG2 cells, HeLa cells

## 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<sup>2+</sup>-binding protein, annexin II. S100A10 may function in exocytosis and endocytosis.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiao Zhai	34496892	J Nanobiotechnology	IF
Xi He	34496236	Cell Rep	
Monica R Langley	34493542	J Neurosci	IHC, IP

## 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

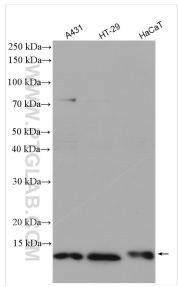
For technical support and original validation data for this product please contact:

T: 4006900926

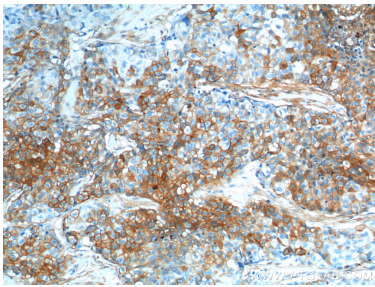
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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

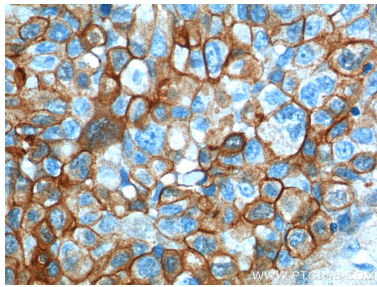
Selected Validation Data



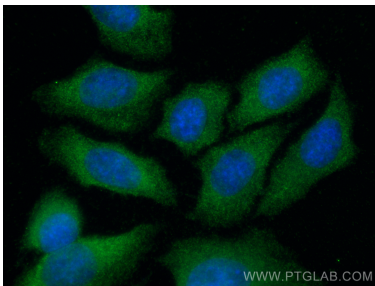
Various lysates were subjected to SDS PAGE followed by western blot with 11250-1-AP (S100A10 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



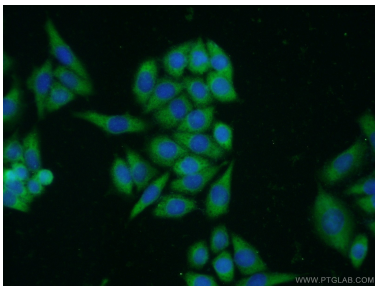
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 11250-1-AP (S100A10 Antibody) at dilution of 1:400 (under 10x lens).



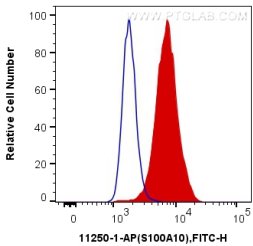
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 11250-1-AP (S100A10 Antibody) at dilution of 1:400 (under 40x lens).



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using S100A10 antibody (11250-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of HeLa cells using 11250-1-AP (S100A10 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.2 ug Anti-Human S100A10 (11250-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).