

For Research Use Only

# S100A6 Polyclonal antibody

Catalog Number: 10245-1-AP

Featured Product

13 Publications



## Basic Information

<b>Catalog Number:</b> 10245-1-AP	<b>GenBank Accession Number:</b> BC001431	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Nanodrop and 640 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 6277	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> S100 calcium binding protein A6	<b>IHC 1:50-1:500</b> <b>IF 1:20-1:200</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 10 kDa	
<b>Immunogen Catalog Number:</b> AG0385	<b>Observed MW:</b> 10 kDa	

## Applications

<b>Tested Applications:</b> FC, IF, IHC, IP, WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, A549 cells
<b>Cited Applications:</b> IF, IHC, WB	<b>IP :</b> A549 cells,
<b>Species Specificity:</b> human	<b>IHC :</b> human pancreas cancer tissue, human liver cancer tissue, human colon cancer tissue, human stomach cancer tissue
<b>Cited Species:</b> human, monkey, mouse, rat	<b>IF :</b> MCF-7 cells,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

S100A6 is also named as calcyclin, prolactin receptor-associated protein (PRA), growth factor-inducible protein 2A9 or MLN4. It belongs to S100 family of low molecular weight, acidic, calcium-binding proteins which contain two EF-hand calcium binding sites. S100A6 may function as a calcium sensor to activate several processes in the calcium signal transduction pathway of cell growth, proliferation, secretion and exocytosis. The antibody is specific for S100A6.

## Notable Publications

Author	Pubmed ID	Journal	Application
Anchuan Li	27596819	Mol Carcinog	WB,IHC
Elisa Teyssou	33218681	Neurobiol Aging	WB,IHC
Xu Nai-Yu NY	19492239	J Toxicol Environ Health A	WB,IHC

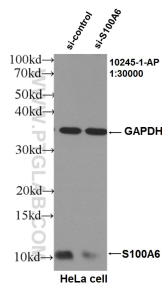
## Storage

**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: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

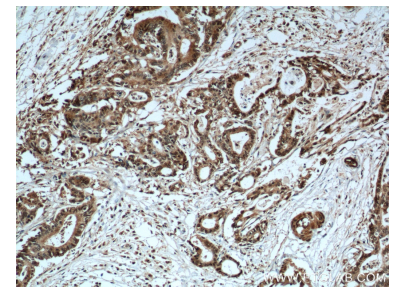
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data

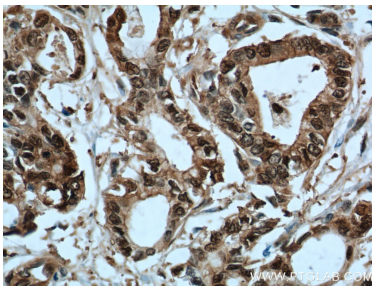


WB result of S100A6 antibody (10245-1-AP, 1:30000) with si-Control and si-S100A6 transfected HeLa cells..

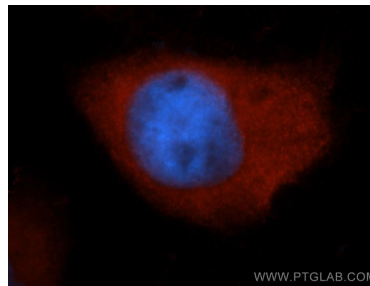
HeLa cells were subjected to SDS PAGE followed by western blot with 10245-1-AP (S100A6 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



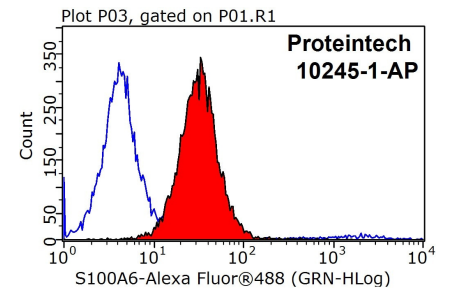
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 10245-1-AP (S100A6 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



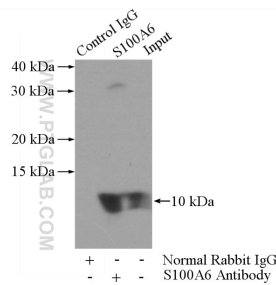
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 10245-1-AP (S100A6 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of MCF-7 cells, using S100A6 antibody 10245-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



1X10<sup>6</sup> MCF-7 cells were stained with 0.2ug S100A6 antibody (10245-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.



IP Result of anti-S100A6 (IP:10245-1-AP, 3ug; Detection:10245-1-AP 1:1000) with A549 cells lysate 2800ug.