

For Research Use Only

# SGTA Polyclonal antibody

Catalog Number: 11019-2-AP

Featured Product

20 Publications



## Basic Information

<b>Catalog Number:</b> 11019-2-AP	<b>GenBank Accession Number:</b> BC008885	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 750 µg/ml by Nanodrop and 373 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 6449	<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> small glutamine-rich tetratricopeptide repeat (TPR)-containing, alpha	<b>IHC 1:20-1:200</b> <b>IF 1:50-1:500</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 34 kDa	
<b>Immunogen Catalog Number:</b> AG1475	<b>Observed MW:</b> 34-37 kDa	

## Applications

### Tested Applications:

IF, IHC, IP, WB, ELISA

### Cited Applications:

CoIP, IF, IHC, WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

### Positive Controls:

**WB:** K-562 cells, HeLa cells, human skeletal muscle tissue, mouse liver tissue, SH-SY5Y cells

**IP:** HeLa cells,

**IHC:** human lung cancer tissue, human liver cancer tissue, human prostate cancer tissue

**IF:** HeLa 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

Small glutamine-rich tetratricopeptide repeat-containing protein alpha (SGTA) is a steroid receptor molecular chaperone critical in a range of biological processes, including viral infection, cell division, mitosis, and cell cycle checkpoint activation. Overexpression of SGTA has been found in various cancers, including prostate/ovary/testis/liver/lung cancer.

## Notable Publications

Author	Pubmed ID	Journal	Application
Oleksandra Novosylina	26545799	Biochimie	IF
Yuiko Kato	26346258	Vet J	IHC
Takehiro Iwata	32765682	Exp Ther Med	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

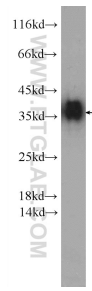
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

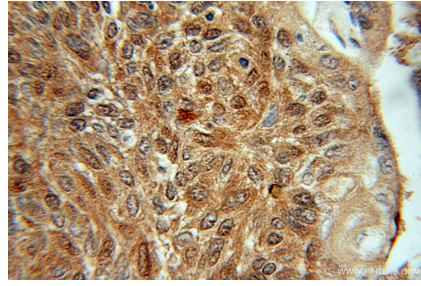
E: proteintech@ptglab.com  
W: ptglab.com

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

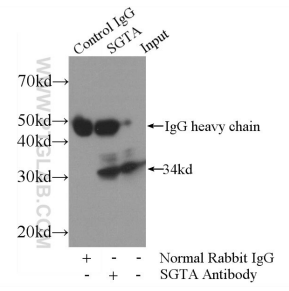
## Selected Validation Data



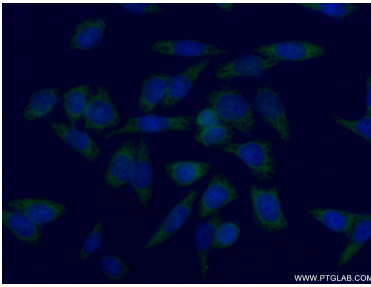
K-562 cells were subjected to SDS PAGE followed by western blot with 11019-2-AP (SGTA antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer using 11019-2-AP (SGTA antibody) at dilution of 1:50 (under 10x lens).



IP Result of anti-SGTA (IP:11019-2-AP, 4ug; Detection:11019-2-AP 1:1000) with HeLa cells lysate 2480ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 11019-2-AP (SGTA antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).