

For Research Use Only

# SGTA Monoclonal antibody

Catalog Number: 60305-1-Ig



## Basic Information

<b>Catalog Number:</b> 60305-1-Ig	<b>GenBank Accession Number:</b> BC008885	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 2400 ug/ml by Nanodrop and 2027 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 6449	<b>CloneNo.:</b> 3B10B11
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O43765	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:20-1:200 IF/ICC 1:20-1:200
<b>Isotype:</b> IgG2b	<b>Full Name:</b> small glutamine-rich tetratricopeptide repeat (TPR)-containing, alpha	
<b>Immunogen Catalog Number:</b> AG1475	<b>Calculated MW:</b> 34 kDa	
	<b>Observed MW:</b> 34-37 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse, rat	<b>WB :</b> LNCaP cells, fetal human brain tissue, NIH/3T3 cells, Neuro-2a cells, HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells, HSC-T6 cells, PC-12 cells
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> human liver cancer tissue, <b>IF/ICC :</b> HeLa cells,

## Background Information

Small glutamine-rich tetratricopeptide repeat-containing protein alpha (SGTA) is a steroid receptor molecular co-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.

## Storage

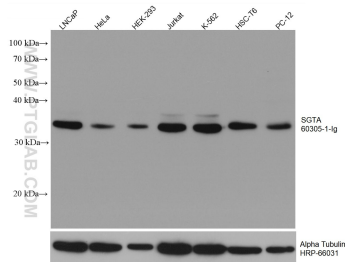
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

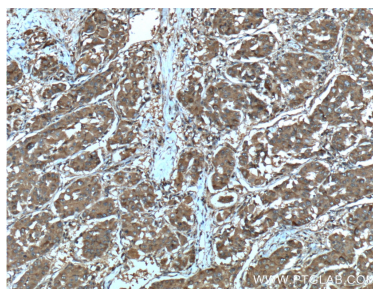
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

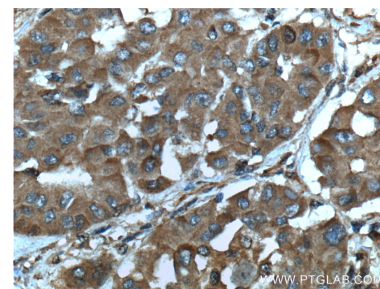
## Selected Validation Data



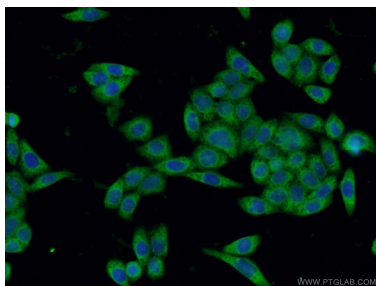
Various lysates were subjected to SDS PAGE followed by western blot with 60305-1-Ig (SGTA antibody) at dilution of 1:40000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 60305-1-Ig (SGTA Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 60305-1-Ig (SGTA Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of HeLa cells using 60305-1-Ig (SGTA antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Mouse IgG (H+L).