

For Research Use Only

# GSPT2 Polyclonal antibody

Catalog Number: 12989-1-AP **5 Publications**



## Basic Information

<b>Catalog Number:</b> 12989-1-AP	<b>GenBank Accession Number:</b> BC036077	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 400 µg/ml	<b>GeneID (NCBI):</b> 23708	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IHC 1:20-1:200 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8IYD1	
<b>Isotype:</b> IgG	<b>Full Name:</b> G1 to S phase transition 2	
<b>Immunogen Catalog Number:</b> AG3641	<b>Calculated MW:</b> 628 aa, 69 kDa	
	<b>Observed MW:</b> 69 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, IHC, WB, ELISA	<b>Positive Controls:</b> WB : MCF7 cells, NIH/3T3 cells IHC : human colon cancer tissue, IF : MCF-7 cells,
<b>Cited Applications:</b> WB, IF	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, mouse	
<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>	

## Background Information

GSPT2, also named as Eukaryotic peptide chain release factor GTP-binding subunit ERF3B or G1 to S phase transition protein 2 homolog, is a 628 amino acid protein, which belongs to the GTP-binding elongation factor family. ERF3 subfamily. GSPT2 localizes in the cytoplasm and is highly expressed in IUCC stage II colorectal cancer (CRC). GSPT2 is involved in translation termination in response to the termination codons UAA, UAG and UGA and may play a role as a potent stimulator of the release factor activity of ETF1. It may play a role in cell cycle progression.

## Notable Publications

Author	Pubmed ID	Journal	Application
Zhengrong Xu	30272252	Int J Mol Med	
Yulin Sun	35589723	Nat Commun	
Hong Su	21726813	Mol Cell	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

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

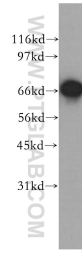
T: 4006900926

E: Proteintech-CN@ptglab.com

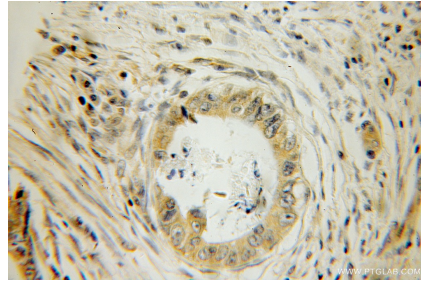
W: ptgcn.com

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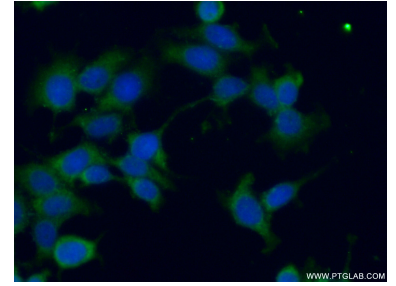
## Selected Validation Data



MCF7 cells were subjected to SDS PAGE followed by western blot with 12989-1-AP (GSPT2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer using 12989-1-AP (GSPT2 antibody) at dilution of 1:100 (under 10x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed MCF-7 cells using 12989-1-AP (GSPT2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).