

For Research Use Only

GSPT2 Polyclonal antibody

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



Basic Information

Catalog Number: 12989-1-AP	GenBank Accession Number: BC036077	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop and 247 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 23708	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:20-1:200 IF 1:50-1:500
Source: Rabbit	Full Name: G1 to S phase transition 2	
Isotype: IgG	Calculated MW: 628 aa, 69 kDa	
Immunogen Catalog Number: AG3641	Observed MW: 69 kDa	

Applications

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

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

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

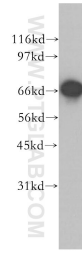
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

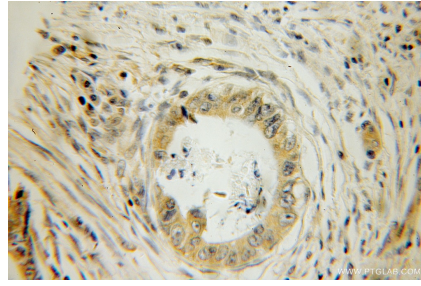
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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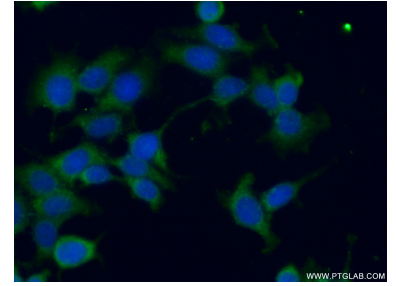
Selected Validation Data



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).