

GSPT2 Polyclonal Antibody

Catalog number: 12989-1-AP

Size: 37 µg/150 µl

Source: Rabbit

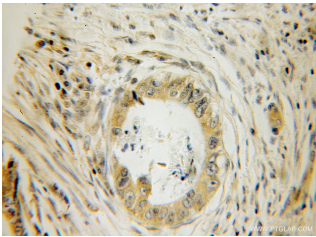
Isotype: IgG

Synonyms:

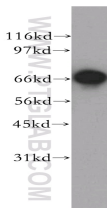
GSPT2; eRF3b, FLJ10441, G1 to

S phase transition 2, GSPT2,

GST2



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



MCF7 cells were subjected to SDS PAGE followed by western blot with 12989-1-AP (GSPT2 antibody) at dilution of 1:500

Background

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.

Applications

| | |
|--------------------------|--|
| Tested applications: | ELISA, WB, IHC |
| Cited applications: | WB |
| Species specificity: | Human, Mouse, Rat; other species not tested. |
| Cited species: | Mouse |
| Calculated GSPT2 MW: | 628aa, 69 kDa |
| Observed GSPT2 MW: | 69kd |
| Positive WB detected in | MCF7 cells, NIH/3T3 cells |
| Positive IHC detected in | Human colon cancer tissue |
| Recommended dilution: | WB: 1:1000-1:10000 IHC: 1:20-1:200 |

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

| | |
|---------------------------|----------------------------|
| Immunogen: | Ag3641 |
| GenBank accession number: | BC036077 |
| Gene ID (NCBI): | 23708 |
| Full name: | G1 to S phase transition 2 |

Product information

| | |
|----------------------|---|
| Purification method: | Antigen affinity purification |
| Storage: | PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C. |