

GSPT1 Polyclonal Antibody

Catalog number: 10763-1-AP

Size: 37 µg/150 µl

Source: Rabbit

Isotype: IgG

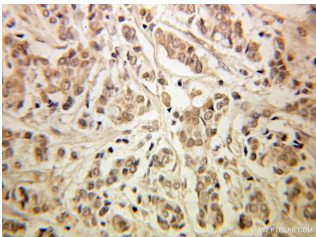
Synonyms:

GSPT1; 551G9.2, eRF3a, ETF3A,

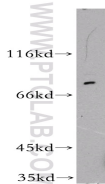
FLJ38048, FLJ39067, G1 to S

phase transition 1, GSPT1,

GST1



Immunohistochemical of paraffin-embedded human breast cancer using 10763-1-AP (GSPT1 antibody) at dilution of 1:100 (under 10x lens)



SGC-7901 cells were subjected to SDS PAGE followed by western blot with 10763-1-AP (GSPT1 antibody) at dilution of 1:100

Background

The eukaryotic Release Factor 3 (eRF3) is a GTPase that associates with eRF1 in a complex that mediates translation termination. Eukaryotic release factor 3 (eRF3) has many functions in eukaryotic cells, such as controlling the regulation of the cell cycle at the G1 to S phase transition, and regulating protein synthesis as a GTP dependent stimulator of eRF1 in translation termination. It was also reported to play a key role as an initiator of the mRNA degradation machinery in the recycling of ribosomes in successive cycles of translation, and probably also in transcription regulation. GSPT1 is one subunit of eRF3 [PMID:15917414,12923185]. It involves in translation termination in response to the termination codons UAA, UAG and UGA and stimulates the activity of eRF1.

Applications

Tested applications:	ELISA, WB, IHC
Cited applications:	IF, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, mouse
Calculated GSPT1 MW:	68.4 kDa
Observed GSPT1 MW:	80 kDa; 84 kDa
Positive WB detected in	SGC-7901 cells, HeLa cells
Positive IHC detected in	Human breast cancer tissue
Recommended dilution:	WB: 1:200-1:1000 IHC: 1:20-1:200

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

Immunogen information

Immunogen:	Ag1184
GenBank accession number:	BC009503
Gene ID (NCBI):	2935
Full name:	G1 to S phase transition 1

Product information

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