

GSPT1 Antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15164**Specification**

GSPT1 Antibody - N-terminal region - Product Information

Application	WB
Primary Accession	P15170
Other Accession	NM_001130006 , NP_001123478
Reactivity	Human, Rat, Rabbit, Pig, Bovine, Dog
Predicted	Human, Rat, Rabbit, Pig, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	70kDa KDa

GSPT1 Antibody - N-terminal region - Additional Information**Gene ID** 2935

Alias Symbol **551G9.2, ETF3A, FLJ38048, FLJ39067, GST1, eRF3a**

Other Names

Eukaryotic peptide chain release factor GTP-binding subunit ERF3A, Eukaryotic peptide chain release factor subunit 3a, eRF3a, G1 to S phase transition protein 1 homolog, GSPT1, ERF3A

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-GSPT1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

GSPT1 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

GSPT1 Antibody - N-terminal region - Protein Information

Name GSPT1

Synonyms ERF3A

Function

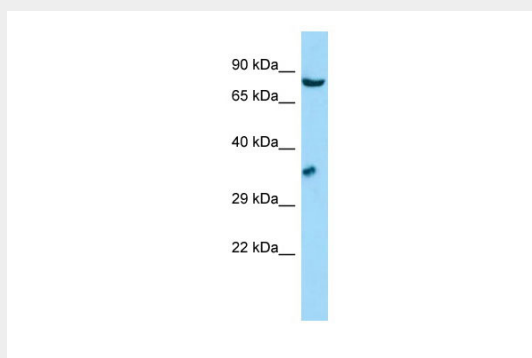
GTPase component of the eRF1-eRF3-GTP ternary complex, a ternary complex that mediates translation termination in response to the termination codons UAA, UAG and UGA (PubMed:2511002, PubMed:15987998, PubMed:19417105, PubMed:27863242). GSPT1/ERF3A mediates ETF1/ERF1 delivery to stop codons: The eRF1-eRF3-GTP complex binds to a stop codon in the ribosomal A-site (PubMed:27863242). GTP hydrolysis by GSPT1/ERF3A induces a conformational change that leads to its dissociation, permitting ETF1/ERF1 to accommodate fully in the A- site (PubMed:16777602, PubMed:27863242). Component of the transient SURF complex which recruits UPF1 to stalled ribosomes in the context of nonsense-mediated decay (NMD) of mRNAs containing premature stop codons (PubMed:24486019). Required for SHFL-mediated translation termination which inhibits programmed ribosomal frameshifting (-1PRF) of mRNA from viruses and cellular genes (PubMed:30682371).

GSPT1 Antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GSPT1 Antibody - N-terminal region - Images



WB Suggested Anti-GSPT1 Antibody Titration: 1.0 µg/ml

Positive Control: HepG2 Whole Cell GSPT1 is strongly supported by BioGPS gene expression data to be expressed in Human HepG2 cells

GSPT1 Antibody - N-terminal region - References

Hoshino S.,et al.EMBO J. 8:3807-3814(1989).
Loftus B.J.,et al.Genomics 60:295-308(1999).
Martin J.,et al.Nature 432:988-994(2004).
Yamashita A.,et al.Genes Dev. 23:1091-1105(2009).
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).