

GSPT1 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP10218a**Specification**

GSPT1 Antibody (N-term) Blocking peptide - Product Information

Primary Accession [P15170](#)
Other Accession [NP_001123479.1](#)

GSPT1 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 2935

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

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GSPT1 Antibody (N-term) Blocking peptide - 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-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

GSPT1 Antibody (N-term) Blocking peptide - Images

GSPT1 Antibody (N-term) Blocking peptide - References

Malta-Vacas, J., et al. Cancer Genet. Cytogenet. 195(2):132-142(2009)Malta-Vacas, J., et al. Oncol. Rep. 21(6):1551-1558(2009)Martins-de-Souza, D., et al. Eur Arch Psychiatry Clin Neurosci 259(3):151-163(2009)Figaro, S., et al. FEBS Lett. 582(16):2352-2356(2008)Chauvin, C., et al. RNA 14(2):240-245(2008)