

Rabbit GSPT1 Polyclonal Antibody | anti-GSPT1 antibody

GSPT1 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA296704	Rabbit	Human Predicted reactivity: Mouse	Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

GSPT1; Polyclonal Antibody; GSPT1 Antibody (N-term); 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; ERF3A; anti-GSPT1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted reactivity: Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Number	RB24635
Specificity	This GSPT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 2-29 amino acids from the N-terminal region of human GSPT1.
Purity/Purification	Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Applicable Applications for anti-GSPT1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Antigen Region	2-29
Antigen Type	Synthetic Peptide
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

GSPT1 Antibody (N-term) flow cytometric analysis of U251 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

GSPT1 antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human prostate carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the GSPT1 antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

GSPT1 Antibody (N-term) western blot analysis in U251,CEM cell line lysates (35ug/lane).This demonstrates the GSPT1 antibody detected the GSPT1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-GSPT1 antibody	Involved in translation termination in response to the termination codons UAA, UAG and UGA (By similarity). Stimulates the activity of ETF1 (By similarity). Involved in regulation of mammalian cell growth (PubMed:2511002). 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).
Product Categories/Family for anti-GSPT1 antibody	Primary Antibodies
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)

NCBI AND UNIPROT INFORMATION

NCBI GeneID	2935
UniProt Accession #	P15170 ; Q8R050
Molecular Weight	55756Da
UniProt Protein Name	Eukaryotic peptide chain release factor GTP-binding subunit ERF3A
UniProt Gene Name	GSPT1
UniProt Synonym Gene Names	ERF3A; Eukaryotic peptide chain release factor subunit 3a; eRF3a
UniProt Entry Name	ERF3A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gspt1-antibody-clone-rb24635-flow-cytometry-immunohistochemistry-western-blot-elisa/296704>