GSPT2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GSPT2, Polyclonal Antibody
Full Product Name	GSPT2 Conjugated Antibody
Product Gene Name	anti-GSPT2 antibody
Product Synonym Names	GST2; ERF3B
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous levels of total GSPT2 protein.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	68,883 Da
OMIM	300418
3D Structure	ModBase 3D Structure for Q8IYD1
Immunogen	Fusion protein of human GSPT2
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-GSPT2 antibody	Most Applications
Application Notes for anti-GSPT2 antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-GSPT2 antibody	This gene encodes a GTPase that belongs to the GTP-binding elongation factor family. The encoded protein is a polypeptide release factor that complexes with eukaryotic peptide chain release factor 1 to mediate translation termination. This protein may also be involved in mRNA stability.
Other Notes	Small volumes of anti-GSPT2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for GSPT2 purchase	MBS9455270 is an antibody targeting GSPT2. Also known as GSPT2 Conjugated Antibody. Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GSPT2. It may not necessarily be applicable to this product.

NCBI GI #	23271292
NCBI GeneID	23708
NCBI Accession #	BC036077
UniProt Primary Accession #	Q8IYD1
UniProt Secondary Accession #	Q9H909; Q9NVY0; Q9NY44
UniProt Related Accession #	Q8IYD1
NCBI Official Full Name	Homo sapiens G1 to S phase transition 2, mRNA
NCBI Official Synonym Full Names	G1 to S phase transition 2
NCBI Official Symbol	GSPT2
NCBI Official Synonym Symbols	GST2; ERF3B
UniProt Protein Name	Eukaryotic peptide chain release factor GTP-binding subunit ERF3B
UniProt Synonym Protein Names	G1 to S phase transition protein 2 homolog
Protein Family	Eukaryotic peptide chain release factor GTP-binding
UniProt Gene Name	GSPT2
UniProt Synonym Gene Names	ERF3B; Eukaryotic peptide chain release factor subunit 3b; eRF3b
UniProt Entry Name	ERF3B_HUMAN
NCBI Protein Information	eukaryotic peptide chain release factor GTP-binding subunit ERF3B
UniProt Comments for GSPT2	GSPT2: Involved in translation termination in response to the termination codons UAA, UAG and UGA. May play a role as a potent stimulator of the release factor activity of ETF1. Exhibits GTPase activity, which is ribosome- and ETF1-dependent. May play a role in cell cycle progression. 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. Belongs to the GTP-binding elongation factor family. ERF3 subfamily. Protein type: Hydrolase; RNA-binding; Translation Chromosomal Location of Human Ortholog: Xp11.22 Cellular Component: cytosol Molecular Function: GTPase activity; protein binding; GTP binding Biological Process: cellular protein metabolic process; translation; mRNA catabolic process, nonsense-mediated decay; gene expression; translational termination; cell cycle
Research Articles on GSPT2	**1.** The survivin and eRF3 complex may function in spindle formation and segregation of chromosomes and cytokinesis.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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