ERF3B Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ERF3B, Polyclonal Antibody
Full Product Name	ERF3B rabbit pAb
Product Gene Name	anti-ERF3B antibody
Product Synonym Gene Name	GSPT2
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Preparation and Storage	Store at -20 degree C for ~1 year
Molecular Weight	68,883 Da
OMIM	300418
3D Structure	ModBase 3D Structure for Q8IYD1
Product Categories/Family for anti-ERF3B antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ERF3B antibody	Western Blot (WB)
Application Notes for anti-ERF3B antibody	WB: 1:1000-2000
Related Product Information for anti-ERF3B antibody	MBS8599156 is an antibody targeting ERF3B. Also known as ERF3B rabbit pAb. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-ERF3B 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ERF3B. It may not necessarily be applicable to this product.

NCBI GI #	46094014
NCBI GeneID	23708
NCBI Accession #	NP_060564
UniProt Primary Accession #	Q8IYD1
UniProt Secondary Accession #	Q9H909; Q9NVY0; Q9NY44
UniProt Related Accession #	Q8IYD1

GenBank Nucleotide #	NM_018094.4
NCBI Official Full Name	eukaryotic peptide chain release factor GTP-binding subunit ERF3B
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
NCBI Summary for ERF3B	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.[provided by RefSeq, Mar 2010]
UniProt Comments for ERF3B	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 ERF3B	**1.** The tumor marker eRF3B can change the cell cycle and influence the phosphorylation status of 4E-BP1.
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