



Rabbit Anti-ERF3B antibody

SL14620R

Product Name:	ERF3B
Chinese Name:	ERF3B蛋白抗体
Alias:	eRF3b; ERF3B_HUMAN; Eukaryotic peptide chain release factor GTP-binding subunit ERF3B; Eukaryotic peptide chain release factor subunit 3b; G1 to S phase transition 2; G1 to S phase transition protein 2 homolog; Gspt2; GST2; peptide chain release factor 3.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	69kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ERF3B:501-600/628
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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]

Function:

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.

Subunit:

Interacts with ETF1 (By similarity). Component of the transient SURF (SMG1-UPF1-eRF1-eRF3) complex. Interacts with UPF1 and PABPC1.

Subcellular Location:

Cytoplasm.

Tissue Specificity:

Highly expressed in IUCC stage II colorectal cancer (CRC).

Similarity:

Belongs to the GTP-binding elongation factor family. ERF3 subfamily.

SWISS:

Q8IYD1

Gene ID:

23708

Database links:

[Entrez Gene: 23708](#) Human

[Entrez Gene: 14853](#) Mouse

[Omim: 300418](#) Human

[SwissProt: Q8IYD1](#) Human

[SwissProt: Q149F3](#) Mouse

[Unigene: 59523](#) Human

[Unigene: 20826](#) Mouse

Important Note:

	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
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