eRF3a Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP03052
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human GSPT1. AA range:101-150
Mol wt	55756
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	eRF3a Antibody
Synonyms	GSPT1; ERF3A; 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

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The eukaryotic Release Factor 3 (eRF3) is a GTPase that associates with eRF1 in a complex that mediates translation termination. Eukaryotic release factor 3 (eRF3) has many functions in eukaryotic cells, such as controlling the regulation of the cell cycle at the G1 to S phase transition, and regulating protein synthesis as a GTP dependent stimulator of eRF1 in translation termination. It was also reported to play a key role as an initiator of the mRNA degradation machinery in the recycling of ribosomes in successive cycles of translation,and probably also in transcription regulation. GSPT1 is one subunit of eRF3[PMID: 15917414, 12923185]. It involves in translation termination in response to the termination codons UAA, UAG and UGA and stimulates the activity of ERF1.
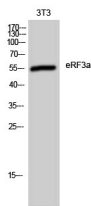
Recommended Dilution

WB: 1: 500 - 1: 2000
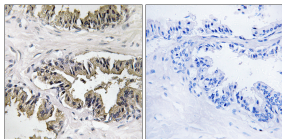
IHC: 1: 100 - 1: 300

ELISA: 1: 40000

Not yet tested in other applications.

Images

Western Blot analysis of 3T3 cells using eRF3a Polyclonal Antibody

Immunohistochemistry analysis of paraffin-embedded human prostate carcinoma tissue, using GSPT1 Antibody. The picture on the right is blocked with the synthesized peptide.

Storage

-20°C for one year