

For Research Use Only

eRF3a/GSPT1 Polyclonal antibody

Catalog Number: 28130-1-AP



Basic Information

Catalog Number: 28130-1-AP	GenBank Accession Number: BC009503	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop;	GeneID (NCBI): 2935	Recommended Dilutions: WB 1:1000-1:4000 IF 1:200-1:800
Source: Rabbit	Full Name: G1 to S phase transition 1	
Isotype: IgG	Calculated MW: 68 aa, 4 kDa	
Immunogen Catalog Number: AG27963	Observed MW: 80 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls: WB : A549 cells, PC-3 cells, SKOV-3 cells, HeLa cells IF : HeLa cells,
Species Specificity: Human, Mouse, Rat	

Background Information

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. eRF3a, also known as 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. eRF3a/GSPT1 exists some isoforms with MV 69 kDa and 56 kDa. Identification of a processed form of eRF3a/GSPT1 as a BIR3-binding protein-Using a GST-BIR3 fusion protein as an affinity reagent to purify new IAP binding proteins from extracts of human cells and mouse tissues, we previously isolated 3 proteins of molecular weights 23, 38 and 80 kDa. 80 kDa band confirmed that it is a processed form of the human GSPT1/eRF3a protein, lacking the first 69 residues (PMID: 12865429).

Storage

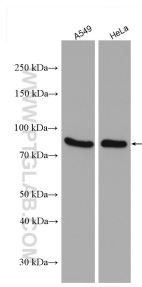
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

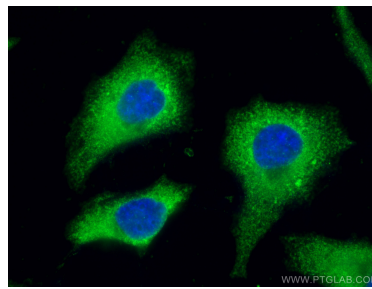
For technical support and original validation data for this product please contact:
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Selected Validation Data



A549 cells were subjected to SDS PAGE followed by western blot with 28130-1-AP (eRF3a/GSPT1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using eRF3a/GSPT1 antibody (28130-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).