

Nur für Forschungszwecke

# eRF3a/GSPT1 Monoklonaler Antikörper

Katalog-Nr.:68217-1-Ig



## Allgemeine Informationen

<b>Katalog-Nr.:</b> 68217-1-Ig	<b>GenBank-Zugangsnummer:</b> BC009503	<b>Reinigungsmethode:</b> Protein-A-Reinigung
<b>Größe:</b> 150ul , Konzentration: 1000 µg/ml von2935 Nanodrop;	<b>GeneID (NCBI):</b> 2A3H6	<b>CloneNo.:</b> 2A3H6
<b>Wirt:</b> Maus	<b>Vollständiger Name:</b> G1 to S phase transition 1	<b>Empfohlene Verdünnungen:</b> WB 1:5000-1:50000
<b>Isotyp:</b> IgG2a	<b>Berechnete Masse:</b> 68 aa, 4 kDa	
<b>Immunogen Katalognummer:</b> AG27986	<b>Beobachtete Masse:</b> 80-85 kDa	

## Anwendungen

### Geprüfte Anwendungen:

WB, ELISA

### Getestete Reaktivität:

Hausschwein, Human, Maus, Ratte

### Positivkontrollen:

WB : HCT 116-Zellen, COLO 320-Zellen, Hausschwein-Hirngewebe, HeLa-Zellen, Jurkat-Zellen, K-562-Zellen, LNCaP-Zellen, NIH/3T3-Zellen

## Hintergrundinformationen

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).

## Lagerung

### Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

### Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

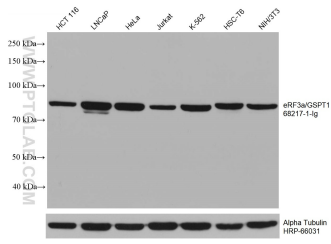
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with 68217-1-Ig (eRF3a/GSPT1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.