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eRF3A/GSPT1 Rabbit mAb

Catalog No.: A25506 Recombinant

Basic Information

Observed MW
80kDa

Calculated MW
56kDa

Category
Primary antibody

Applications
WB,Auto WB,IF/ICC,IF-P,IHC-P,ELISA

Cross-Reactivity
Human, Rat

CloneNo number
ARC66181

Background

Enables translation release factor activity. Involved in regulation of translational termination. Acts upstream of or within protein methylation. Predicted to be located in cytosol. Predicted to be part of translation release factor complex.

Recommended Dilutions

WB	1:10000 - 1:60000
Auto WB	1:100 - 1:500
IF/ICC	1:200 - 1:800
IF-P	1:200 - 1:800
IHC-P	1:500 - 1:2000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
2935

Swiss Prot
P15170

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
GST1; ETF3A; eRF3a; 551G9.2

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Contact

400-999-6126

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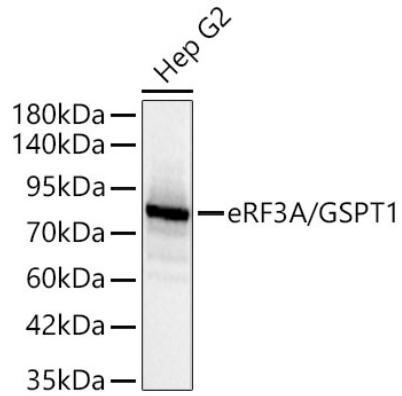
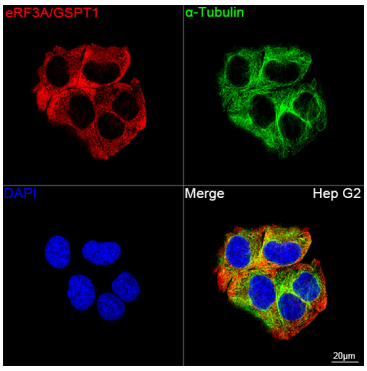
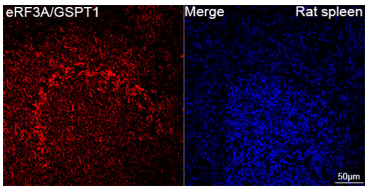
Validation Data



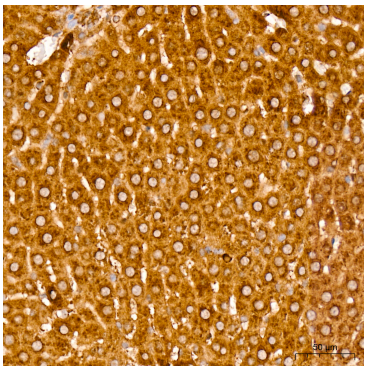
Western blot analysis of lysates from Hep G2 cells using eRF3A/GSPT1 Rabbit mAb (A25506) at 1:10000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time:1s.



Confocal imaging of Hep G2 cells using eRF3A/GSPT1 Rabbit mAb (A25506, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.

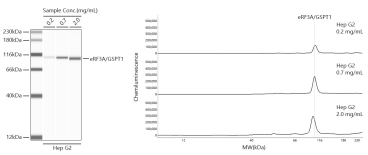


Confocal imaging of paraffin-embedded Rat spleen tissue using eRF3A/GSPT1 Rabbit mAb (A25506, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500)(Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



Immunohistochemistry analysis of paraffin-embedded Rat liver tissue using eRF3A/GSPT1 Rabbit mAb (A25506) at a dilution of 1:800 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Rat spleen tissue using eRF3A/GSPT1 Rabbit mAb (A25506) at a dilution of 1:800 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Simple Western™ analysis of lysates from Hep G2 cells using eRF3A/GSPT1 Rabbit mAb (A25506) at 1:100 dilution. The virtual lane view (left) shows the target band (as indicated) with samples in concentrations of 0.2 mg/mL, 0.7 mg/mL and 2.0 mg/mL. The corresponding electropherogram view (right) plots chemiluminescence intensity against molecular weight along the capillary for

Validation Data

sample concentrations of 0.2 mg/mL, 0.7 mg/mL and 2.0 mg/mL. This experiment was performed under reducing conditions on the Jess™ Simple Western instrument from ProteinSimple, a BioTechne brand, using the 12-230 kDa separation module.