

EIF4G2 Rabbit Polyclonal Antibody



CAB2897

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

102kDa

Calculated MW:

98kDa/102kDa

Applications:

WB IHC IF IP

Reactivity:

Human, Mouse, Rat

Antibody Information

Recommended dilutions:

WB 1:500 - 1:1000 IHC

1:100 - 1:200 IF 1:50 -

1:200 IP 1:50 - 1:200

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Protein Background

Translation initiation is mediated by specific recognition of the cap structure by eukaryotic translation initiation factor 4F (eIF4F), which is a cap binding protein complex that consists of three subunits: eIF4A, eIF4E and eIF4G. The protein encoded by this gene shares similarity with the C-terminal region of eIF4G that contains the binding sites for eIF4A and eIF3; eIF4G, in addition, contains a binding site for eIF4E at the N-terminus. Unlike eIF4G, which supports cap-dependent and independent translation, this gene product functions as a general repressor of translation by forming translationally inactive complexes. In vitro and in vivo studies indicate that translation of this mRNA initiates exclusively at a non-AUG (GUG) codon. Alternatively spliced transcript variants encoding different isoforms of this gene have been described.

Immunogen information

Gene ID:

1982

Uniprot

P78344

Synonyms:

EIF4G2; AAG1; DAP5; NAT1; P97

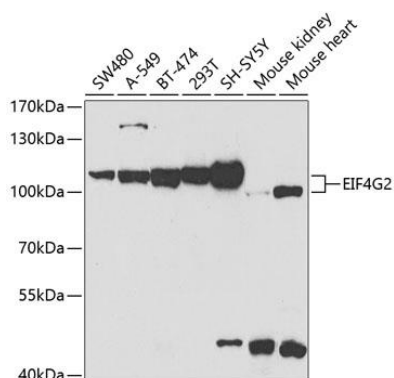
Immunogen:

A synthetic peptide corresponding to a sequence within amino acids 750-850 of human EIF4G2 (NP_001409.3).

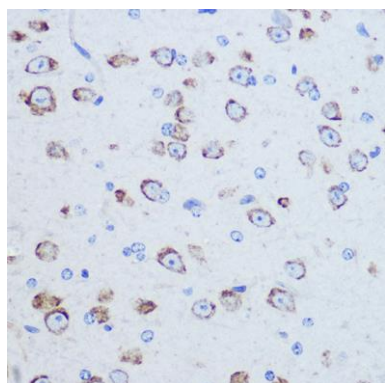
Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

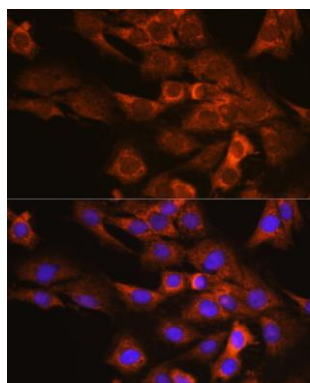
Product Images



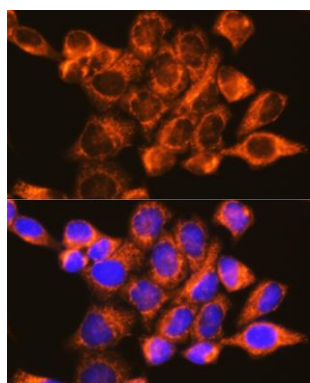
Western blot analysis of extracts of various cell lines, using EIF4G2 antibody (CAB2897) at 1:400 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 90s.



Immunohistochemistry of paraffin-embedded mouse brain using EIF4G2 Rabbit pAb (CAB2897) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of C6 cells using EIF4G2 Rabbit pAb (CAB2897) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of HeLa cells using EIF4G2 Rabbit pAb (CAB2897) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.