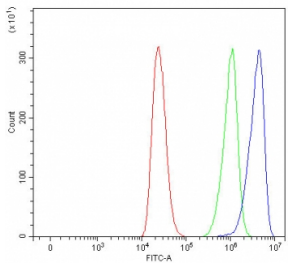
EIF4G2 Antibody / Eukaryotic translation initiation factor 4 gamma 2 / DAP5 (RQ7738)

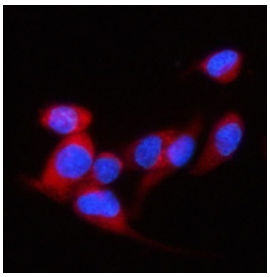
Catalog No.	Formulation	Size
RQ7738	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

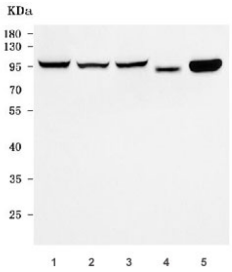
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat, Monkey
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P78344
Localization	Cytoplasmic
Applications	Western blot: 0.5-1ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This EIF4G2 antibody is available for research use only.



Flow cytometry testing of human ThP-1 cells with EIF4G2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= EIF4G2 antibody.



Immunofluorescent staining of FFPE human EIF4G2 cells with DAP5 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human MCF7, 2) human HeLa, 3) monkey COS-7, 4) rat heart and 5) mouse heart with EIF4G2 antibody. Expected molecular weight ~97 kDa.

Description

Eukaryotic translation initiation factor 4 gamma 2 (also called p97, NAT1, and DAP-5) is a protein that in humans is encoded by the EIF4G2 gene. 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.

Application Notes

Optimal dilution of the EIF4G2 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids R23-Q889) was used as the immunogen for the EIF4G2 antibody.

Storage

After reconstitution, the EIF4G2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com

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