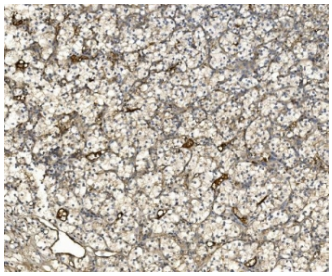
EIF3C Antibody / Eukaryotic translation initiation factor 3 subunit C (RQ7975)

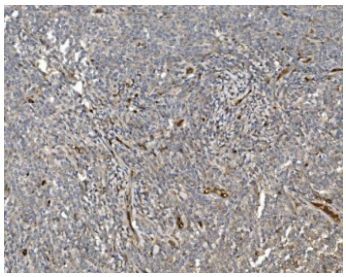
Catalog No.	Formulation	Size
RQ7975	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

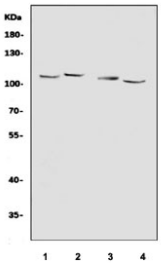
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q99613
Localization	Cytoplasmic
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This EIF3C antibody is available for research use only.



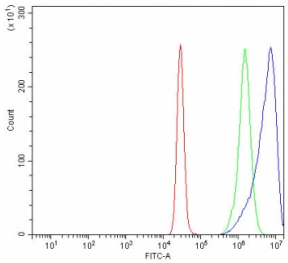
IHC staining of FFPE human renal carcinoma tissue with EIF3C antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human lymphoma tissue with EIF3C antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) rat pancreas, 2) mouse kidney, 3) mouse pancreas and 4) mouse RAW264.7 cell lysate with EIF3C antibody. Predicted molecular weight ~105 kDa.



Flow cytometry testing of human K562 cells with EIF3C antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= EIF3C antibody.

Description

Eukaryotic translation initiation factor 3 subunit C (eIF3c) is a protein that in humans is encoded by the EIF3C gene. Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis. The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNAi and eIF-5 to form the 43S preinitiation complex (43S PIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of post-termination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation.

Application Notes

Optimal dilution of the EIF3C antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids E81-Q637) was used as the immunogen for the EIF3C antibody.

Storage

After reconstitution, the EIF3C antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.