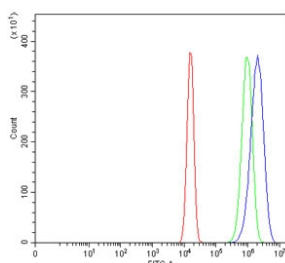


eIF-3 p48 Antibody / EIF3e [clone 10F5H6] (RQ6979)

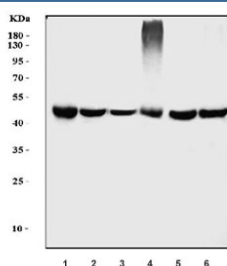
Catalog No.	Formulation	Size
RQ6979	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	10F5H6
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P60228
Applications	Western Blot : 0.5-1 ug/ml Flow Cytometry : 1-3ug/million cells
Limitations	This eIF-3 p48 antibody is available for research use only.



Flow cytometry testing of human U-2 OS cells with eIF-3 p48 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= eIF-3 p48 antibody.



Western blot testing of 1) human Raji, 2) human K562, 3) rat thymus, 4) mouse thymus, 5) mouse ANA-1 and 6) mouse RAW264.7 cell lysate with eIF-3 p48 antibody. Expected molecular weight: 48-52 kDa.

Description

Eukaryotic translation initiation factor 3 subunit E is a protein that in humans is encoded by the EIF3E gene. The human homolog of EIF3E is located on chromosome region 8q22-q23. It is composed of 13 exons that span 45 kb of genomic DNA. EIF3E is the component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis ts localization/assembly. The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNA_i and eIF-5 to form the 43S pre-initiation complex (43S PIC). And 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 eIF-3 p48 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids A160-Q241) was used as the immunogen for the eIF-3 p48 antibody.

Storage

After reconstitution, the eIF-3 p48 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.