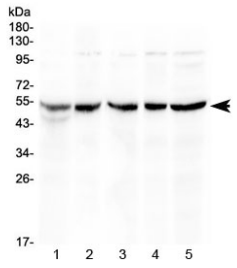
EIF3e Antibody / eIF-3 p48 (R32741)

Catalog No.	Formulation	Size
R32741	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
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	P60228
Applications	Western Blot : 0.5-1ug/ml
Limitations	This EIF3e antibody is available for research use only.



Western blot testing of 1) rat thymus, 2) mouse thymus, 3) mouse spleen, 4) human COLO320 and 5) human HeLa lysate with EIF3e antibody at 0.5ug/ml. 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-tRNAi 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 EIF3e antibody should be determined by the researcher.

Immunogen

Amino acids A160-Q241 from the human protein were used as the immunogen for the EIF3e antibody.

Storage

After reconstitution, the EIF3e antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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