

## eIF3 $\zeta$ (R135) polyclonal antibody

Catalog: BS3860

Host: Rabbit

Reactivity: Human, Mouse, Rat

### Background:

Translation initiation in eukaryotes necessitates the assembly of an 80S ribosomal complex containing methionyl initiator tRNA (Met-tRNA<sup>i</sup>Met), which is base paired at the initiation codon (AUG, GUG) in eligible transcripts. Eukaryotic initiation factors (eIFs) are utilized in a sequence of reactions that leads to 80S ribosomal assembly and initiation of translation. Eukaryotic initiation factor 3 (eIF3) is the largest family of eIFs and consists of at least 12 unique subunits in mammals. eIF $\epsilon$ , also known as eIF p47, binds to the 40S ribosome and promotes the binding of methionyl-tRNA<sup>i</sup> and mRNA and associates with the complex p170-eIF3.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 64 kDa

### Swiss-Prot:

O15371

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

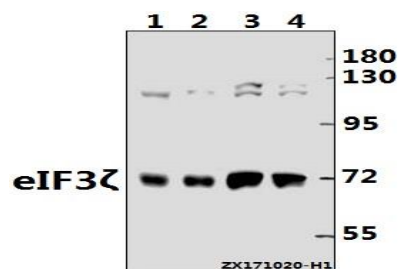
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

eIF3 $\zeta$  (R135) polyclonal antibody detects endogenous levels of eIF3 $\zeta$  protein.

### DATA:



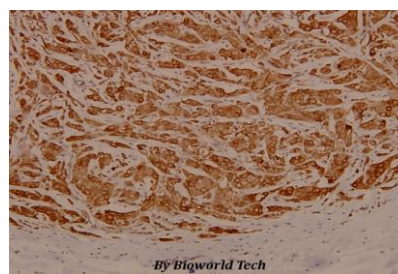
Western blot (WB) analysis of eIF3 $\zeta$  (R135) pAb at 1:1000 dilution

Lane1: The Brain tissue lysate of Mouse(40ug)

Lane2: The Brain tissue lysate of Rat(20ug)

Lane3: HEK293T whole cell lysate(10ug)

Lane4: MCF-7 whole cell lysate(20ug)



Immunohistochemistry (IHC) analyzes of eIF3 $\zeta$  (R135) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

### Note:

For research use only, not for use in diagnostic procedure.

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