

eIF5A2 (Y127) polyclonal antibody

Catalog: BS9011

Host: Rabbit

Reactivity: Human,Rat,Mouse

BackGround:

In mammalian cells, translation is controlled at the level of polypeptide chain initiation by eukaryotic initiation factors. The translation initiation factor 5 (eIF5) catalyzes the hydrolysis of GTP bound to the 40S ribosomal subunit, a function necessary for the subsequent joining of the 40S and 60S subunits to form the 80S initiation complex. eIF4E specifically binds to the mRNA cap to promote unwinding and exposure of the AUG-initiation codon. Overexpression of eIF4E can lead to cell transformation and tumorigenesis. An additional initiation factor, eIF2, is present as a heterotrimer composed of eIF2 α , eIF2 β and eIF2 γ subunits. This heterotrimer forms a complex with GTP and tRNA which then binds to the 40S ribosomal subunit. After the formation of the 80S initiation complex, eIF2 is hydrolyzed and eIF2-GDP is released from the complex. eIF2-GDP is subsequently converted to eIF2-GTP, a reaction catalyzed by eIF2B, and is then available to catalyze another round of initiation.

Product:

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

Molecular Weight:

~ 17 kDa

Swiss-Prot:

Q9GZV4

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:

eIF5A2 (Y127) polyclonal antibody detects endogenous levels of IeIF5A2 protein.

DATA:

Western blot (WB) analysis of eIF5A2 (Y127) pAb at 1:500 dilution

Lane1: AML-12 whole cell lysate(40ug)

Lane2: C6 whole cell lysate(40ug)

Lane3: HEK293T whole cell lysate(40ug)

Lane4: SGC7901 whole cell lysate(40ug)

Lane5: HepG2 whole cell lysate(40ug)

Lane6: A549 whole cell lysate(40ug)

Lane7: A2780 whole cell lysate(40ug)

Note:

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

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