

EIF5A polyclonal antibody

Catalog: BS60424

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

In mammalian cells, translation is controlled at the level of polypeptide chain initiation by eukaryotic initiation factors. The human eukaryotic translation initiation factor 5A gene, also designated eIF-4D or eIF5A, maps to chromosome 17p13-p12 and encodes a 154 amino acid protein that is linked to cellular polyamine homeostasis. eIF5A localizes to the nuclear and cytoplasmic compartments of mammalian cells where it can stimulate ribosomal peptidyl-transferase and may be involved in nucleocytoplasmic mRNA transport and/or protein translation. eIF5A contains a unique spermidine-derived post-translational modification at Lys-50, hypusine, which is necessary for eIF5A's biochemical activity and for cellular proliferative signaling. In addition, eIF5A is a cellular cofactor for the function of the Rev transactivator protein of human immunodeficiency virus type 1 (HIV-1). Inhibition of eIF5A interaction with Rev leads to a block of the viral replication cycle.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 18 kDa

Swiss-Prot:

P63241

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

Storage&Stability:

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

Specificity:

EIF5A polyclonal antibody detects endogenous levels of EIF5A protein.

DATA:



Western blot (WB) analysis of EIF5A polyclonal antibody at 1:500 dilution

Lane1:HEK293T cell lysate

Lane2:Raw264.7 cell lysate

Lane3:PC12 cell lysate

Note:

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

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