

NIP7 polyclonal antibody

Catalog: BS60088

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Ribosomes, the organelles that catalyze protein synthesis, are composed of a small subunit (40S) and a large subunit (60S) that consist of over 80 distinct ribosomal proteins. Mammalian ribosomal proteins are encoded by multigene families that contain processed pseudogenes and one functional intron-containing gene within their coding regions. Nip7 is a nucleolar protein involved in ribosome biogenesis, specifically 27S pre-rRNA processing and 60S ribosome subunit assembly in *Saccharomyces cerevisiae*. NIP7 is a conserved protein among eukaryotes, including human, mouse, rat and pig that is essential for cell growth. In humans, NIP7 interacts with the Shwachman-Bodian-Diamond syndrome (SBDS) protein, which mediates accurate gene expression essential for proper brain, skeletal, and blood cell development. Mutations in the SBDS gene results in an autosomal disorder (SDS) characterized by pleiotropic phenotypes including pancreatic, skeletal and bone marrow deficiencies and predisposition to hematological dysfunctions.

Product:

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

Molecular Weight:

~ 20 kDa

Swiss-Prot:

Q9Y221

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

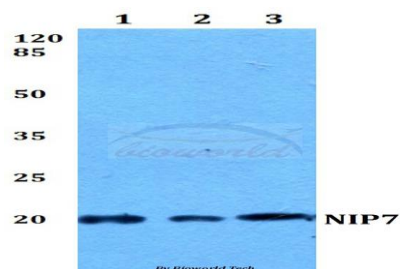
Storage&Stability:

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

Specificity:

NIP7 polyclonal antibody detects endogenous levels of NIP7 protein.

DATA:



Western blot (WB) analysis of NIP7 polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate

Lane2:Mouse kidney tissue lysate

Lane3:H9C2 whole cell lysate

Note:

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

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