

DHS (L87) polyclonal antibody

Catalog: BS3847

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Deoxyhypusine synthase (DHS) is crucial for the post-translational formation of hypusine, a modification of a specific lysine residue in eukaryotic initiation factor 5A (eIF-5A). Hypusine is formed by posttranslational modifications involving two enzymatic steps catalyzed by DHS and deoxyhypusine hydroxylase (DOHH). eIF-5A is essential for eukaryotic cell proliferation. DHS, which belongs to the deoxyhypusine synthase family of proteins, is important for the first step in the hypusine biosynthesis pathway. It acts as a catalyst for the NAD-dependent oxidative cleavage of spermidine and the ensuing transfer of the butylamine moiety of spermidine to the eIF-5A protein, to create the intermediate deoxyhypusine residue.

Product:

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

Molecular Weight:

~ 45 kDa

Swiss-Prot:

P49366

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

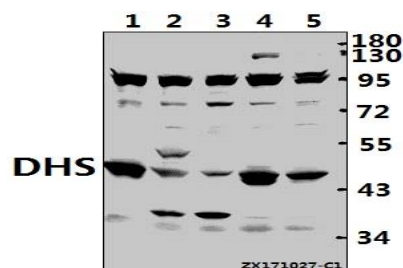
Storage&Stability:

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

Specificity:

DHS (L87) polyclonal antibody detects endogenous levels of DHS protein.

DATA:



Western blot (WB) analysis of DHS (L87) pAb at 1:500 dilution

Lane1:HEK293T whole cell lysate(40ug)

Lane2:CT26 whole cell lysate(40ug)

Lane3:PC12 whole cell lysate(40ug)

Lane4:PC3 whole cell lysate(40ug)

Lane5:MCF-7 whole cell lysate(40ug)

Note:

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

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