

**SLC25A32 polyclonal antibody**

Catalog: BS35210

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

Solute carrier family 25 member 32: Facilitates flavin adenine dinucleotide (FAD) translocation across the mitochondrial inner membrane into the mitochondrial matrix where it acts as a redox cofactor to assist flavoenzyme activities in fundamental metabolic processes including fatty acid beta-oxidation, amino acid and choline metabolism as well as mitochondrial electron transportation. In particular, provides FAD to DLD dehydrogenase of the glycine cleavage system, part of mitochondrial one-carbon metabolic pathway involved in neural tube closure in early embryogenesis

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~35.4 kDa

Swiss-Prot:

Q9H2D1

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

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:

Recognizes endogenous levels of SLC25A32 protein

DATA:

Western blot analysis of PDC-E2 expression in K562 (A), PC3 (B), HepG2 (C), mouse kidney (D), mouse muscle (E), rat kidney (F), rat muscle (G) whole cell lysates.

Immunofluorescent analysis of PDC-E2 staining in A375 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Note:

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

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