

SDHA (R600) polyclonal antibody

Catalog: BS2847

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

In aerobic respiration reactions, succinate dehydrogenase (SDH) catalyzes the oxidation of succinate and ubiquinone to fumarate and ubiquinol. Four subunits comprise the SDH protein complex: a flavochrome subunit (SDHA), an iron-sulfur protein (SDHB), and two membrane-bound subunits (SDHC and SDHD) anchored to the inner mitochondrial membrane. Mutations to these subunits cause mitochondrial dysfunction, corresponding to several distinct disorders. Mutations in the membrane bound components may cause hereditary paraganglioma, while SDHA mutations are associated with juvenile encephalopathy as well as Leigh Syndrome, a severe neurological disorder. Inactivating mutations in SDHB correlate with inherited, but not necessarily sporadic, cases of pheochromocytoma.

Product:

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

Molecular Weight:

~ 72 kDa

Swiss-Prot:

P31040

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

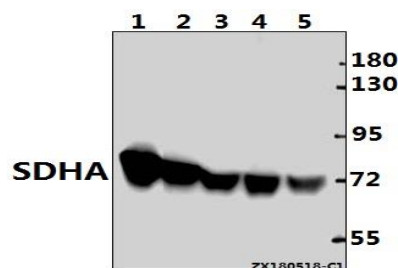
Storage&Stability:

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

Specificity:

SDHA (R600) polyclonal antibody detects endogenous levels of SDHA protein.

DATA:



Western blot (WB) analysis of SDHA (R600) pAb at 1:2000 dilution

Lane1: The Heart tissue lysate of Rat(20ug)

Lane2: The Testis tissue lysate of Mouse(40ug)

Lane3: HEK293T whole cell lysate(40ug)

Lane4: SGC7901 whole cell lysate(40ug)

Lane5: HepG2 whole cell lysate(40ug)

Note:

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

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