

## SDHB polyclonal antibody

Catalog: BS91215

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 associate 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:

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

### Molecular Weight:

32 kDa

### Swiss-Prot:

P21912(Human) Q9CQA3(Mouse) P21913(Rat)

### Purification&Purity:

Protein affinity purified.

### Applications:

WB:1:500-1:2,000

ICC:1:50-1:200

IHC:1:50-1:200

FC:1:50-1:100

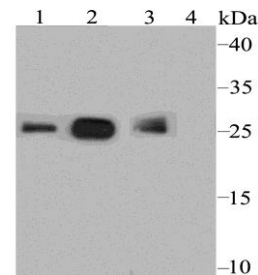
### Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C. Avoid repeated freeze / thaw cycles.

### Specificity:

SDHB polyclonal antibody detects endogenous levels of SDHB protein.

### DATA:



Western blot analysis of SDHB on different cell lysate using anti-SDHB antibody at 1/1,000 dilution.

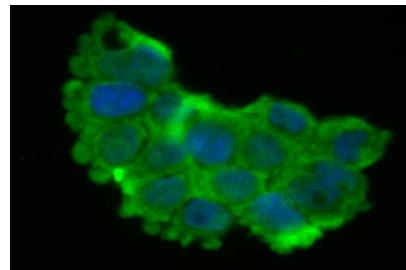
Positive control:

Lane1: human liver

Lane2: mouse liver

Lane3: rat liver

Lane4: rat liver, preincubated with the immunization protein.



ICC staining SDHB in 293T cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

### Note:

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

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