

# Sdhb fl/fl Cell Line

**Catalogue number:** 153294

**Sub-type:**

**Images:**

## Contributor

**Inventor:** Eyal Gottlieb

**Institute:** Cancer Research UK, Glasgow: The Beatson Institute

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Sdhb fl/fl Cell Line

**Alternate name:** Succinate dehydrogenase, SDH, Succinate-coenzyme Q reductase, SQR

**Class:**

**Conjugate:**

**Description:** Succinate dehydrogenase (SDH) is an enzyme complex found in the inner mitochondrial membrane of mammalian mitochondria and many bacterial cells. SDH is the only enzyme that participates in both the electron transport chain and citric acid cycle. The enzymatic function of SDH oxidises succinate to fumarate in the tricarboxylic acid cycle and losing this function is associated with cancer formation.

**Purpose:**

**Parental cell:**

**Organism:** Mouse

**Tissue:** Kidney

**Model:** Conditional KO

**Gender:**

**Isotype:**

**Reactivity:**

**Selectivity:**

**Host:**

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** Succinate dehydrogenase

**Target alternate names:**

**Target background:**

**Molecular weight:**

**Ic50:**

## Applications

**Application:**

**Application notes:**

## Handling

**Format:** Frozen

**Concentration:**

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:**

**Storage conditions:** Liquid Nitrogen

**Shipping conditions:** Dry ice

## Related tools

**Related tools:** Sdhb -/- CL 5 Cell Line ; Sdhb -/- CL 7 Cell Line ; SDHB Floxed Mouse

## References

**References:** Cardaci et al. 2015. Nat Cell Biol. 17(10):1317-26. PMID: 26302408. ; Pyruvate

carboxylation enables growth of SDH-deficient cells by supporting aspartate biosynthesis.

CancerTools.org