

Sdhb -/- CL 5 Cell Line

Catalogue number: 153292

Sub-type:

Images:

Contributor

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Sdhb -/- CL 5 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: Knock-Out

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 Floxed Mouse ; Sdhb -/- CL 7 Cell Line ; Sdhb fl/fl Cell Line

References

References: Frezza et al. 2011. Nature. 477(7363):225-8. PMID: 21849978. ; Haem oxygenase is

synthetically lethal with the tumour suppressor fumarate hydratase. ; Pollard et al. 2007. Cancer Cell. 11(4):311-9. PMID: 17418408. ; Targeted inactivation of fh1 causes proliferative renal cyst development and activation of the hypoxia pathway.

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