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SANTA CRUZ BIOTECHNOLOGY, INC.

HCII (h4): 293T Lysate: sc-170579

BACKGROUND

Heparin cofactor II (HCII) is a glycoprotein in human plasma which rapidly inactivates Thrombin in the presence of dermatan sulfate. Inhibition occurs by formation of a stable equimolar complex between HCII and Thrombin. Certain clinical conditions, such as hepatic failure, disseminated intravascular coagulation, thalasemina and sickle cell anemia, display reduced levels of HCII. However, during pregnancy, physiological levels of HCII expression are elevated. HCII may regulate coagulation and may participate in processes such as inflammation, atherosclerosis and wound repair. HCII is widely distributed among vertebrates and may have a common function in birds, amphibians and mammals. The HCFII gene located on human chromosome 22q11, encodes the HCII protein.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: SERPIND1 (human) mapping to 22q11.21.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

PRODUCT

HCII (h4): 293T Lysate represents a lysate of human HCII transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

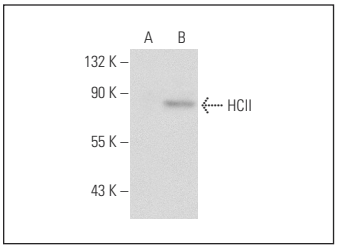
APPLICATIONS

HCII (h4): 293T Lysate is suitable as a Western Blotting positive control for human reactive HCII antibodies. Recommended use: 10-20 µl per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

HCII (74E5): sc-69784 is recommended as a positive control antibody for Western Blot analysis of enhanced human HCII expression in HCII transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

DATA



HCII (74E5): sc-69784. Western blot analysis of HCII expression in non-transfected: sc-117752 (**A**) and human HCII transfected: sc-170579 (**B**) 293T whole cell lysates.

RESEARCH USE

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

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.