SANTA CRUZ BIOTECHNOLOGY, INC.

SerpinB8 (h): 293T Lysate: sc-113882

BACKGROUND

The serine proteinase inhibitors (serpins) comprise a superfamily of proteins with a diverse set of functions, including the control of blood coagulation, complement activation, programmed cell death and tissue development. SerpinB8 (serpin peptidase inhibitor, clade B (ovalbumin), member 8), also known as P18 or CAP2, is a 374 amino acid protein that localizes to the cytoplasm and belongs to the serine proteinase inhibitor family. Expressed at high levels in lung, liver, heart and skeletal muscle, SerpinB8, which exists as multiple alternatively spliced isoforms, is thought to play a role in platelet aggregation and platelet-regulated pathophysiological responses. The gene encoding SerpinB8 maps to a cluster of serpin genes on human chromosome 18, which houses over 300 protein-coding genes and contains nearly 76 million bases.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: SERPINB8 (human) mapping to 18q22.1.

PRODUCT

SerpinB8 (h): 293T Lysate represents a lysate of human SerpinB8 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

SerpinB8 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive SerpinB8 antibodies. Recommended use: 10-20 µl per lane.

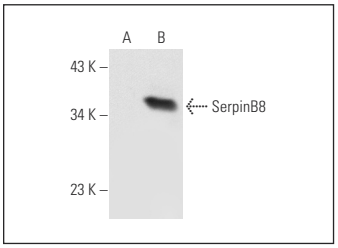
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

SerpinB8 (PI-8): sc-101371 is recommended as a positive control antibody for Western Blot analysis of enhanced human SerpinB8 expression in SerpinB8 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



SerpinB8 (PI-8): sc-101371. Western blot analysis of SerpinB8 expression in non-transfected: sc-117752 (**A**) and human SerpinB8 transfected: sc-113882 (**B**) 293T whole cell lysates.

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.

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.