

α -2 antiplasmin (h): 293T Lysate: sc-114353

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 development. Serpins are secreted glycoproteins that contain a stretch of peptide that mimics a true substrate for a corresponding serine protease. α -2 antiplasmin (also referred to as α -2-AP or α -2-plasmin inhibitor) is a member of the serpin family that inhibits plasmin. It is the most potent and rapidly acting of the plasmin inhibitors and is thought to play a key role in the regulation of fibrinolysis and degradation of various other proteins. α -2 antiplasmin interferes with the binding of plasminogen to Fibrin because lysine residues in its carboxy-terminal region compete with those in Fibrin. As plasmin degrades blood clots, impaired activity of α -2 antiplasmin leads to a bleeding tendency.

REFERENCES

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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.

CHROMOSOMAL LOCATION

Genetic locus: SERPINF2 (human) mapping to 17p13.3.

PRODUCT

α -2 antiplasmin (h): 293T Lysate represents a lysate of human α -2 antiplasmin transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

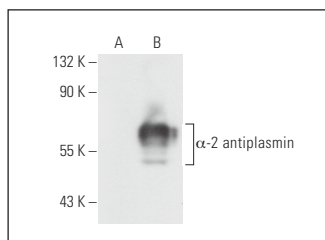
APPLICATIONS

α -2 antiplasmin (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive α -2 antiplasmin antibodies. Recommended use: 10-20 μ l per lane.

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

α -2 antiplasmin (JJ-16): sc-73658 is recommended as a positive control antibody for Western Blot analysis of enhanced human α -2 antiplasmin expression in α -2 antiplasmin transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

DATA



α -2 antiplasmin (JJ-16): sc-73658. Western blot analysis of α -2 antiplasmin expression in non-transfected: sc-117752 (A) and human α -2 antiplasmin transfected: sc-114353 (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.