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α -2 antiplasmin (h2): 293T Lysate: sc-176535

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.

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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 (h2): 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.

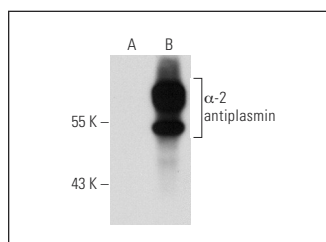
APPLICATIONS

α -2 antiplasmin (h2): 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.

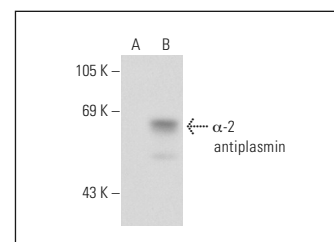
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

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-176535 (B) 293T whole cell lysates.



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-176535 (B) 293T whole cell lysates.

RESEARCH USE

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

PROTOCOLS

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