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Vasohibin-1 (h): 293T Lysate: sc-116318

BACKGROUND

Angiogenesis is mainly regulated by the balance of several different pro-angiogenic stimulators, such as vascular endothelial growth factor (VEGF) and a diverse group of endogenous inhibitors that are extrinsic to endothelial cells. Vasohibin is a secreted protein that is induced by a specific, self-regulating, feedback inhibition response to inhibit angiogenesis in an auto-crine manner. It inhibits proliferation, migration and network formation by endothelial cells. This function is specific for endothelial cells as it does not affect migration in other cell types. Vasohibin is primarily expressed in endothelial of the brain and placental tissues with highest abundance in fetal organs. VEGF and fibroblast growth factor 2 upregulate the expression of Vasohibin. *In vitro*, Vasohibin does not affect cancer cell proliferation, but does inhibit tumor growth and angiogenesis.

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: VASH1 (human) mapping to 14q24.3.

PRODUCT

Vasohibin-1 (h): 293T Lysate represents a lysate of human Vasohibin-1 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

Vasohibin-1 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive Vasohibin-1 antibodies. Recommended use: 10-20 µl per lane.

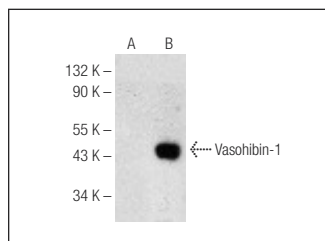
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

Vasohibin-1 (C-6): sc-365541 is recommended as a positive control antibody for Western Blot analysis of enhanced human Vasohibin-1 expression in Vasohibin-1 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



Vasohibin-1 (C-6): sc-365541. Western blot analysis of Vasohibin-1 expression in non-transfected: sc-117752 (A) and human Vasohibin-1 transfected: sc-116318 (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.