

Anti-Col18a1
(Collagen alpha-1(XVIII) chain, contains: Endostatin)
Polyclonal Antibody

Cat. #: 60B393

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Description:

Endostatin potently inhibits endothelial cell proliferation and angiogenesis. Col18a1 (Collagen alpha-1(XVIII) chain) may inhibit angiogenesis by binding to the heparan sulfate proteoglycans involved in growth factor signaling. Col18a1 is expressed in liver, kidney, lung, skeletal muscle and testis. The prolines at the third position of the tripeptide repeating unit (G-X-Y) are hydroxylated in some or all of the chains.

Col18a1 belongs to the multiplexin collagen family and contains 1 FZ (frizzled) domain and 1 TSP N-terminal (TSPN) domain.

Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to C-terminal residues of mouse Col18a1(Collagen alpha-1(XVIII) chain precursor, contains: Endostatin)

References

Rehn,M., et al, J. Biol. Chem. 269 (19), 13929-13935 (1994)
Rehn,M. et al, Proc. Natl. Acad. Sci. U.S.A. 91 (10), 4234-4238 (1994)
Oh,S.P., et al, Proc. Natl. Acad. Sci. U.S.A. 91 (10), 4229-4233 (1994)
Jia,S., et al, Clin. Hemorheol. Microcirc. 23 (2-4), 251-257 (2000)
O'Reilly,M.S., et al, Cell 88 (2), 277-285 (1997)
Hohenester,E., et al, EMBO J. 17 (6), 1656-1664 (1998)
Hohenester,E., et al, J. Mol. Biol. 297 (1), 1-6 (2000)

Species: mouse

Storage and Stability: at -20oC

Storage buffer:

This antibody is stored in PBS, 0.01% sodium azide and 50% glycerol.

Preparation:

Purified by antigen-specific affinity chromatography.

Applications :

ELISA

Western Blotting (1µg/ml for 2hrs)