

Angiopoietin

Angiopoietin is part of a family of [vascular endothelial growth factors](#) that play a role in embryonic and postnatal [angiogenesis](#). Angiopoietin signaling most directly corresponds with angiogenesis.

Angiopoietin cytokines are involved with controlling microvascular permeability, vasodilation, and vasoconstriction by signaling smooth muscle cells surrounding vessels.

[Angiopoietins](#) play a pivotal role in tumor angiogenesis by modulating vascular endothelial proliferation and survival. The expression of angiopoietin 1 and [angiopoietin 2](#) (Ang-1 and Ang-2) and vascular endothelial growth factor (VEGF) has been documented in human malignant glioma.

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