

TIE 2

TIE2 a [tyrosine kinase](#) receptor of the Tie family. Receptor for [angiopoietin 1](#). Expressed almost exclusively in [endothelial cells](#). May constitute the earliest mammalian endothelial cell lineage marker. Appears to be critical for endothelial cell-smooth muscle cell communication in venous morphogenesis. TEK is closely related to the TIE receptor [tyrosine kinase](#).

Findings establish that simultaneous Tie 2 activation and [Angiopoietin 2](#) inhibition form a powerful therapeutic strategy to elicit a favorable tumor microenvironment and enhanced delivery of a chemotherapeutic agent into tumors ¹⁾.

¹⁾

Park JS, Kim IK, Han S, Park I, Kim C, Bae J, Oh SJ, Lee S, Kim JH, Woo DC, He Y, Augustin HG, Kim I, Lee D, Koh GY. Normalization of Tumor Vessels by Tie2 Activation and Ang2 Inhibition Enhances Drug Delivery and Produces a Favorable Tumor Microenvironment. Cancer Cell. 2016 Dec 12;30(6):953-967. doi: 10.1016/j.ccell.2016.10.018. PubMed PMID: 27960088.

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