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# Tarextumab

National Cancer Institute

## Source

National Cancer Institute. *Tarextumab*. NCI Thesaurus. Code C95719.

A monoclonal antibody directed against the Notch receptor with potential antineoplastic activity. Tarextumab binds to Notch on the cell surface, thereby inhibiting Notch-mediated signaling and gene transcription, which may impede tumor angiogenesis. Notch receptors are important for cell-cell communication, which involves gene regulation mechanisms that control multiple cell differentiation processes during embryonic and adult life. Dysregulated Notch signaling is implicated in many diseases including T-ALL (T-cell acute lymphoblastic leukemia), CADASIL (Cerebral Autosomal Dominant Arteriopathy with Sub-cortical Infarcts and Leukoencephalopathy), MS (Multiple Sclerosis), and many other disease states.