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Anti-ErbB3 Monoclonal Antibody AV-203

National Cancer Institute

Source

National Cancer Institute. *Anti-ErbB3 Monoclonal Antibody AV-203*. NCI Thesaurus. Code C102535.

A humanized monoclonal antibody (MoAb) directed against the human receptor tyrosine-protein kinase ErbB-3 (HER3) with potential antineoplastic activity. Anti-ErbB3 MoAb AV-203 binds to and inhibits both ligand neuregulin-1 (NRG-1)-dependent and ligand-independent ErbB3 activation, which may result in inhibition of ErbB3-dependent PI3K/Akt signaling and may lead to inhibition of cellular proliferation and differentiation. ErbB3, a member of the epidermal growth factor receptor (EGFR) family, is frequently overexpressed in solid tumors and its overexpression generally correlates with poor prognosis and tumor resistance; it has no active kinase domain itself but is activated through heterodimerization with other members of the EGFR receptor family that do.