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Anti-HER3 Monoclonal Antibody GSK2849330

National Cancer Institute

Source

National Cancer Institute. *Anti-HER3 Monoclonal Antibody GSK2849330*. NCI Thesaurus. Code C111997.

A monoclonal antibody directed against the human epidermal growth factor receptor 3 (HER3; ERBB3) with potential antineoplastic activity. Anti-HER3 monoclonal antibody GSK2849330 binds to HER3 and inhibits its activation. This may prevent HER3-mediated signaling and inhibit HER3-dependent tumor cell proliferation and differentiation. HER3, a member of the epidermal growth factor receptor (EGFR) family of receptor tyrosine kinases, is frequently overexpressed in tumors and is associated with poor prognosis and drug resistance; it has no active kinase domain but is activated through heterodimerization with other members of the EGFR receptor family, such as HER2.