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# Anti-HER2 Antibody-drug Conjugate RC48

National Cancer Institute

## Source

National Cancer Institute. *Anti-HER2 Antibody-drug Conjugate RC48*. NCI Thesaurus. Code C130011.

An antibody-drug conjugate (ADC) composed of a monoclonal antibody targeting human epidermal growth factor receptor 2 (EGFR2; HER2) and conjugated to an as of yet undisclosed cytotoxic agent, with potential antineoplastic activity. Upon administration of anti-HER2 ADC RC48, the antibody moiety targets and binds to HER2 on tumor cells. Upon antibody/antigen binding and internalization, the cytotoxic agent induces tumor cell apoptosis, through an as of yet not publicly known mechanism. HER2, a tyrosine kinase receptor, is overexpressed by many cancer cell types.