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TNF Receptor Family Gene

National Cancer Institute

Source

National Cancer Institute. *TNF Receptor Family Gene*. NCI Thesaurus. Code C21165.

Human TNF Receptor Family Genes encode transmembrane receptor proteins regulated by TNF Family ligands. TNF receptors typically contain intracellular death domains involved in the formation of a signal transducing death-inducing complex that includes FADD and caspases that trigger an apoptotic caspase cascade. Some TNF receptors can activate NF-Kappa-B, MAPK3/ERK1, MAPK8/JNK, BIRC1, BIRC2, BAG4/SODD, TRADD, or TRAF2 and transduce inflammation or anti-apoptotic proliferating signals. Some TNF Family Receptors act as competitive decoy receptors in bone resorption or suppress FasL- and LIGHT-mediated cell death. (NCI)