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PBCAR3 Phosphopeptide-tetanus Peptide Vaccine

National Cancer Institute

Source

National Cancer Institute. *pBCAR3 Phosphopeptide-tetanus Peptide Vaccine*. NCI Thesaurus. Code C107166.

A vaccine composed of a phosphorylated peptide from the tumor associated antigen breast cancer anti-estrogen resistance-3 (BCAR3) and a tetanus-derived peptide, with potential immunomodulating and antineoplastic activities. Upon administration of pBCAR3 phosphopeptide-tetanus peptide vaccine, the pBCAR3 phosphopeptide may stimulate the immune system to mount a cytotoxic T-lymphocyte (CTL) response against phosphopeptide-containing tumor cells. The tetanus peptide serves as an immunoadjuvant and induces a helper T-cell response, which may help stimulate an immune response against the pBCAR3-expressing melanoma tumor cells. BCAR3 is upregulated in a variety of cancer cells.