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Phosphorylated-STAT3 Y705

National Cancer Institute

Source

National Cancer Institute. *Phosphorylated-STAT3 Y705*. NCI Thesaurus. Code C157132.

A post-translationally modified form of signal transducer and activator of transcription 3 (STAT3) where the tyrosine (Y; Tyr) at residue 705 is phosphorylated. Janus kinase (JAK)-mediated phosphorylation of Y705 activates STAT3 and promotes the formation of STAT3-containing dimers, which translocate into the nucleus and induce STAT3-dependent gene expression.