

Zhang et al., found that **TRIM8** activates **STAT3** by suppressing the expression of **PIAS3**, an inhibitor of STAT3, most likely through E3-mediated ubiquitination and proteasomal degradation. Interestingly, they also found that STAT3 activation upregulates TRIM8, providing a mechanism for normalized TRIM8 expression in the setting of hemizygous gene deletion. These data demonstrate that bidirectional TRIM8-STAT3 signaling regulates stemness in GSC ¹⁾.

¹⁾

Zhang C, Mukherjee S, Tucker-Burden C, Ross JL, Chau MJ, Kong J, Brat DJ. TRIM8 regulates stemness in glioblastoma through PIAS3-STAT3. Mol Oncol. 2017 Jan 18. doi: 10.1002/1878-0261.12034. [Epub ahead of print] PubMed PMID: 28100038.

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