

Spleen tyrosine kinase

Spleen [tyrosine kinase](#) (Syk) is a cytosolic non-receptor protein tyrosine kinase (PTK) and is mainly expressed in hematopoietic cells. Syk was recognized as a critical element in the B-cell receptor signaling pathway.

Various receptor protein kinases have been identified as potential targets for glioma; however, response rates in clinical studies have been somewhat disappointing. Targeting the Spleen Tyrosine Kinase (SYK), which acts downstream of a range of oncogenic receptors, may therefore show more promising results ¹⁾.

¹⁾

Moncayo G, Grzmil M, Smirnova T, Zmarz P, Huber RM, Hynx D, Kohler H, Wang Y, Hotz HR, Hynes NE, Keller G, Frank S, Merlo A, Hemmings BA. SYK Inhibition Blocks Proliferation and Migration of Glioma Cells, and Modifies the Tumor Microenvironment. *Neuro Oncol*. 2018 Feb 1. doi: 10.1093/neuonc/noy008. [Epub ahead of print] PubMed PMID: 29401256.

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