

[Open Peer Review on Qeios](#)

Protein Tyrosine Phosphatase

National Cancer Institute

Source

National Cancer Institute. *Protein Tyrosine Phosphatase*. NCI Thesaurus. Code C17444.

Encoded by Protein Tyrosine Phosphatase Genes, Protein Tyrosine Phosphatases are a group of enzymes that specifically remove tyrosine-bound phosphate groups from many phosphoproteins, including many enzymes phosphorylated by a tyrosine kinase.

Together with protein tyrosine kinases, Tyrosine Phosphatases regulate tyrosine phosphorylation and dephosphorylation in cellular signal transduction and may play a role in cell growth control and carcinogenesis. (NCI)