

[Open Peer Review on Qeios](#)

# RXY/FXpSXP Motif

National Cancer Institute

## Source

National Cancer Institute. *RXY/FXpSXP Motif*. NCI Thesaurus. Code C13976.

The 14-3-3 family of proteins mediates signal transduction by binding to phosphoserine-containing proteins. RXY/FXpSXP Motif is one of two different binding motifs that are present in nearly all known 14-3-3 binding proteins. The 14-3-3 dimer binds tightly to single molecules containing tandem repeats of phosphoserine motifs, implicating bidentate association as a signaling mechanism with molecules such as Raf, BAD, and Cbl. (from OMIM)