Table S5. Summary of Phosphatases Acting on VEGFR2

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| --- | --- | --- | --- | --- | --- |
| Name | Location(s) | Interactions | Residues Dephosphorylated | Residues Not Dephosphorylated | References |
| TCPTP (PTPN2) | PM (focal adhesions), N, C | VEGFR2,α1 integrins | Y996, Y1054, Y1059, Y1214 | Y1175 | [1] |
| VEPTP (PTPRB) | PM (cell junctions) | VEGFR2, Tie2, VE-Cadherin | Y951, Y1175 | Y1214 | [2, 3] |
| DEP-1 (CD148, PTPRJ) | PM (cell junctions) | VEGFR2, VE-Cadherin | Y801, Y951, Y996, Y1054, Y1059, Y1175, Y1214 |  | [4-6] |
| SHP-1 (PTPN6) | PM | VEGFR2, Src, eNOS | Y996, Y1059, Y1175 | Y951 | [7, 8] |
| SHP-2 (PTPN11) | PM | VEGFR2, Tie2, collagen I, D2DR | Y951, Y996, Y1059 | Y1175 | [9-11] |
| PTP1B (PTPN1) | PM/EE, ER | VEGFR2, VE-cadherin | Y1175  |  | [12-14] |
| PTP-MEG2 (PTPN9) | PM, C (peri-nuclear & vesicular) | VEGFR2 | Y1175 |   | [15] |
| HCPTPA |  C |  VEGFR2 |   |   | [16] |

PM: Plasma Membrane; N: Nucleus; C: Cytosol; EE: Early Endosomes; ER: endoplasmic reticulum

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