

Human Cell Motility PCR Array
Chemotaxis: FGF2, ITGB2, MAPK1 (ERK2), MYH10, MYH9, PLAUR (uPAR), PLD1, PRKCA, RAC2, VEGFA, WASF2, WIPF1.
Receptors: EGFR, IGF1R, ITGA4, ITGB1, ITGB2, ITGB3, MET, PLAUR (uPAR), RHO.
Growth Factors: CSF1 (MCSF), EGF, FGF2, HGF, IGF1, TGFB1, VEGFA.
Rho Family GTPases:
Rho Signaling: ACTR2, ACTR3, ARHGDIA, LIMK1, MSN, MYL9, MYLK, PLCG1, PLD1, PRKCA, PTEN, RHO, RHOA, RHOB, RHOC, RND3, ROCK1, VIM.
Rac Signaling: ACTR2, ACTR3, BAIAP2, CFL1, CRK, PAK1, PAK4, PLD1, PRKCA, RAC1, RAC2, STAT3, WASF2, WASL.
Cdc42 Signaling: ACTR2, ACTR3, CDC42, PFN1, WASF1, WASF2, WASL.
Adhesion:
Cell-Cell Adhesion: DPP4, EGFR, EZR, ITGA4, ITGB1, ITGB2, MSN, MYH9, ROCK1, TGFB1.
Cell-Matrix Adhesion: ACTN1, ACTN3, CSF1 (MCSF), ILK, ITGB1, ITGB2, ITGB3, MMP14, PTEN, PTK2B, PXN, RASA1,
RHOA.
Focal Adhesion: ACTN1, ACTN3, ARHGEF7, BCAR1, CAPN1, CAPN2, CAV1, ENAH, ILK, ITGB1, MYL9, PTK2B, PXN, TLN1, VASP, VCL.
Leukocyte Adhesion & Rolling: EZR, ITGA4, ITGB1, ITGB2, MSN, ROCK1.
Integrin-Mediated Signaling: BCAR1, ILK, ITGA4, ITGB1, ITGB2, ITGB3, MYH9, PTK2.
Cellular Projections:
Filopodia: BAIAP2, CDC42, DIAPH1, EGFR, ENAH, EZR, MSN, RDX, SVIL, VASP.
Lammelipodia: CTTN, DPP4, EGFR, ENAH, FAP, PIK3CA (p110a), PLD1, PTK2, PXN, RDX, SVIL, VASP, WASF1, WASF2, WASL.
Stress Fibers: ACTN4, DIAPH1, MYH10, MYH9, RHOA, RHOB, RHOC.
Membrane Blebs: ACTN1, ACTN3, ACTN4, EZR, MYH10, MYH9, MYLK, RND3, ROCK1.
Invasive Projections: ACTR2, ACTR3, ARF6, CDC42, CFL1, CTTN, DPP4, EGF, EZR, FAP, MMP14, (Gelatinase A), MMP9 (Gelatinase B), MSN, MYH9, PLAUR (uPAR), RAC2, RASA1, SH3PXD2A, SRC, SVIL, TGFB1,
VEGFA, WASL, WIPF1.

Membrane Ruffles: ACTR2, ACTR3, ARF6, BAIAP2, BCAR1, CTTN, DIAPH1, EZR, ITGB1, MYH9, RAC1, RDX, RHOA, TLN1, WASF2.

Cell Polarity: CDC42, CFL1, EZR, IGF1R, ILK, MYH9.

Proteolysis: AKT1, CAPN1, CAPN2, DPP4, FAP, HGF, MMP14, MMP2 (Gelatinase A), MMP9 (Gelatinase MYH9, PLAUR (uPAR), TIMP2.