Supplementary Figure 3

0.5 HOURS  6 HOURS

Lck (Y394)  Fgr (Y412)  HSP27 (S73/S82)  AMPKa2 (T172)  Lyn (Y397)  TOR (S2448)  STAT6 (Y641)  p38a (T180/Y182)  CREB (S133)  FAK (Y397)  Yes (Y426)  Fyn (Y428)  STAT2 (Y689)  Hck (Y411)  MSK1/2 (S376/S360)  EGFR (Y1086)  AMPKa1 (T183)  Src (Y419)  ERK1/2 (T202/Y204, T185/Y187)  JNK1/2 (T183/Y185, T221/Y223)  PRAS40 (T246)  Chk-2 (T68)  PDGF Rβ (Y751)  GSK-3α/β (S21/S9)  Akt1/2/3 (S473)  STAT5A (Y694)  p70 S6 Kinase (T421/S424)  STAT3 (Y705)  PYK2 (Y402)  PLCγ1 (T198)  STAT5b (Y699)  STAT3 (S727)  p27 (T198)  WNK1 (T60)  p70 S6 Kinase (T389)  c-Jun (S63)  p53 (S46)  RSK1/2/3 (S380/S386/S377)  eNOS (S1177)  Akt1/2/3 (T308)  p53 (S392)  p53 (S15)  STAT5a/b (Y694/Y695)

Phosphorylation fold change

BOP  BIO1211  LDV  BOP  BIO1211  LDV
Supplementary Figure 3: Kinase array reveals novel targets regulated by α4β1/α9β1 integrins. Ca²⁺ treated keratinocyte colonies treated with DMSO (vehicle control), BOP, BIO1211, or LDV for 0.5 or 6 hours. Lysates were collected for Human Phospho-Kinase Array Analysis. Phosphorylation of proteins in samples was calculated using densiometric analysis. Signal intensities were normalized to Heat Shock Protein 60 (HSP60) internal control, and the fold change in phosphorylation relative to DMSO was calculated.