



Supplementary Figure 1: Simplified diagram of the four distinct MAP kinase signaling pathways in human. RAS-RAF-MEK-ERK signaling pathway is the classic MAPK pathway. MAP: Mitogen-activated protein; MEK: Mitogen-activated protein kinase kinase; ERK: Extracellular signal-regulated protein kinase; MAPK: Mitogen-activated protein kinase; NSCLC: Non-small cell lung cancer; MEKK: Mitogen-activated protein kinase kinase kinase; Tpl2: Tumor progression locus 2; BMK1: Big mitogen-activated protein kinase 1; DLK: Dual leucine zipper kinase; MLL: Mixed-lineage leukemia gene; ASK: Apoptosis signal-regulating kinase; TAK: Transforming growth factor- β activated kinase; JNK: c-Jun N-terminal kinase; MLK3: Mixed lineage kinase 3; TF: Transcription factors.