



Schematic drawing of signal transduction pathways of EGF and targets of some natural compounds with regulatory activity. Abbreviations: PI3K = phosphatidylinositol-3-kinase; PIP3= Phosphatidylinositol (3,4,5)-triphosphate; Src = sarcoma; Ras = rat sarcoma; Raf = Rapidly accelerated fibrosarcoma; AKT (also called protein kinase B) = AK strain Transforming; PTEN = Phosphatase and Tensin homolog; BAD = Bcl-xL/Bcl-2-Associated Death promoter; MEK = Mitogen activated kinase (MEK1 and MEK2, also called MAP kinase kinases n. 1 and n. 2); ERK = Extracellular signal-Regulated Kinase (also called MAPK 3,4,5); MDM2 = Murine Double Minute2; mTOR = mammalian Target Of Rapamycin; GRB2 = Growth factor Receptor-Bound protein 2.