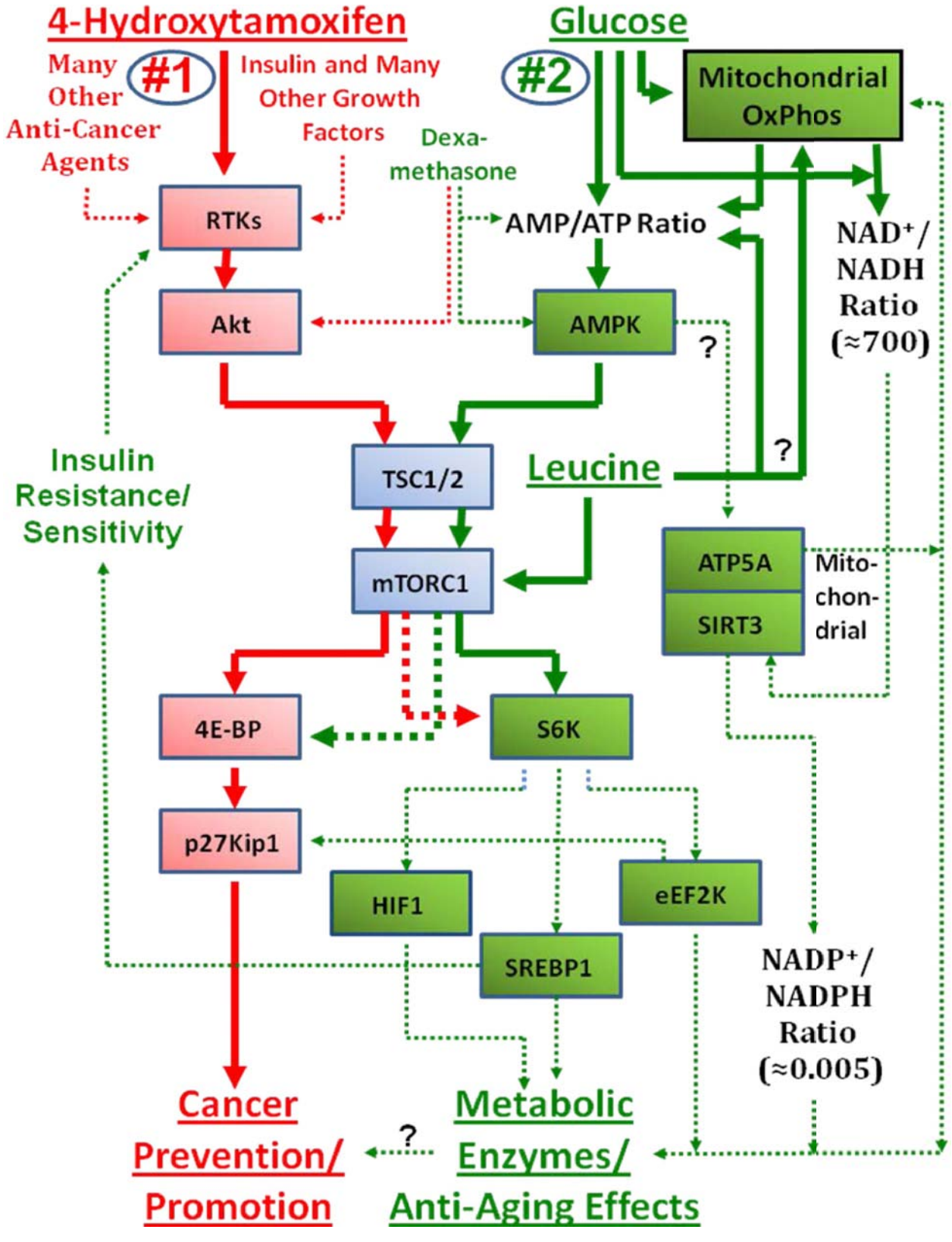
4-Hydroxytamoxifen
Many Other Anti-Cancer Agents
#1
Insulin and Many Other Growth Factors
Glucose
#2
Mitochondrial OxPhos
Dexa-methasone
RTKs
AMP/ATP Ratio
NAD+/ NADH Ratio (≈700)
Akt
AMPK
?
Insulin Resistance/ Sensitivity
TSC1/2
Leucine
?
ATP5A
SIRT3
Mito-chon-drial
mTORC1
4E-BP
S6K
p27Kip1
HIF1
eEF2K
SREBP1
NADP+/ NADPH Ratio (≈0.005)
Cancer Prevention/ Promotion
?
Metabolic Enzymes/ Anti-Aging Effects