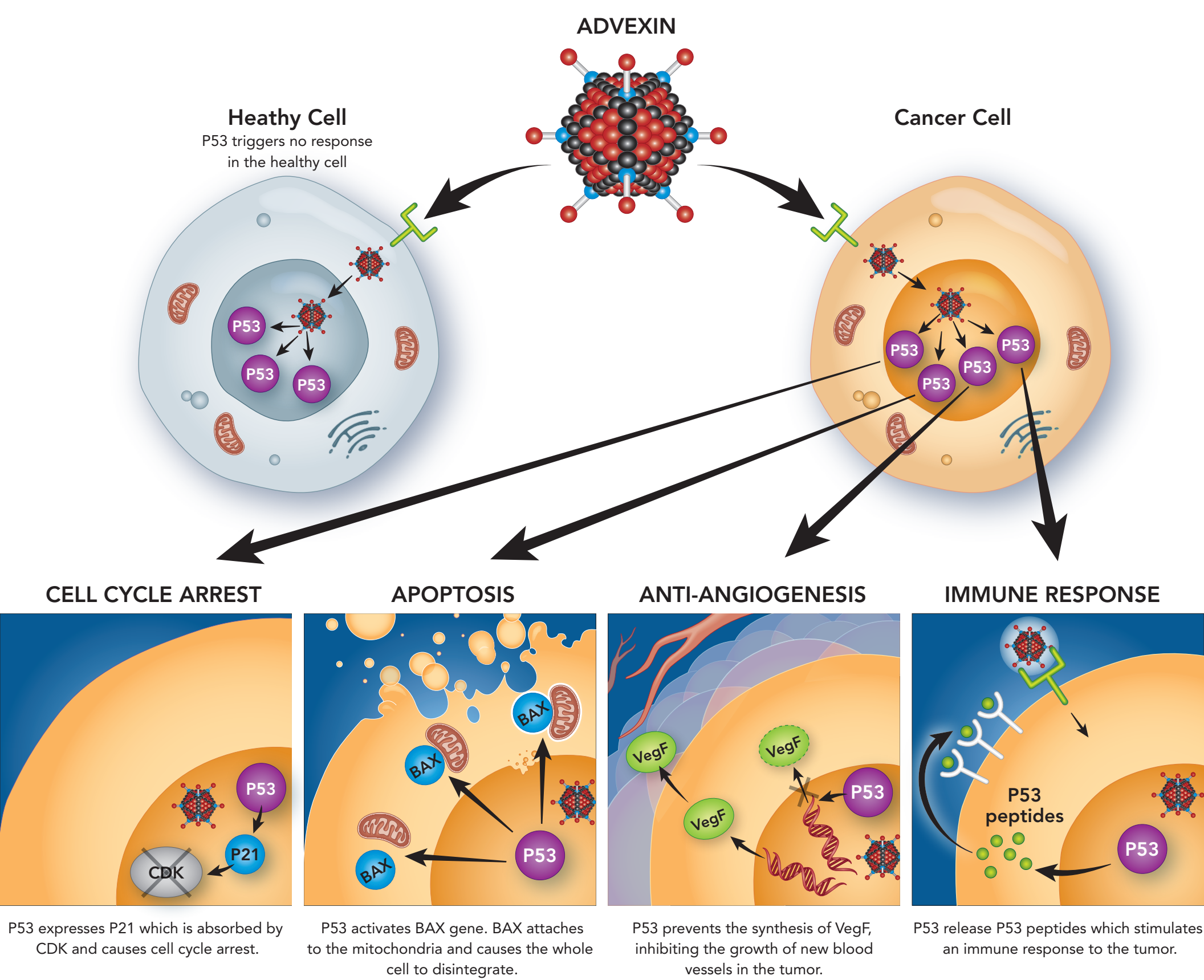
ADVEXIN
Heathy Cell
P53 triggers no response in the healthy cell
Cancer Cell
P53
P53
P53
P53
P53
P53
P53
CELL CYCLE ARREST
APOPTOSIS
ANTI-ANGIOGENESIS
IMMUNE RESPONSE
P53
P21
CDK
BAX
BAX
BAX
P53
VegF
VegF
VegF
P53
P53 peptides
P53
P53 expresses P21 which is absorbed by CDK and causes cell cycle arrest.
P53 activates BAX gene. BAX attaches to the mitochondria and causes the whole cell to disintegrate.
P53 prevents the synthesis of VegF, inhibiting the growth of new blood vessels in the tumor.
P53 release P53 peptides which stimulates an immune response to the tumor.