



p53 is a multi-functional tumor suppress protein whose function is critical for protection against cancer. p53 signaling pathway plays an important role in orchestrating cellular response under a variety of stress signals, including DNA damage, oncogene activation, and hypoxia. The downstream signals lead to cell cycle arrest, senescence, DNA damage repair, autophagy and apoptosis. Loss of p53 function due to mutation or perturbation of p53 pathway is among the most common feature in majority of human cancers.