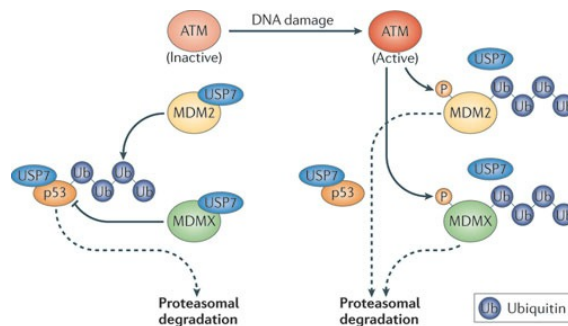


p53 Related Research Products

p53 and Ubiquitin -

Tumor suppressor protein p53 plays an important role in the regulation of cell cycle and is frequently mutated or inactivated in many cancers. Numerous post-translational modifications modulate p53 activity including ubiquitination, phosphorylation, acetylation and methylation. Stability of p53 is regulated via the Ubiquitin Proteasome System (UPS). MDM2 is an oncogenic ubiquitin E3 ligase that ubiquitinates p53, inhibits its transcriptional activity and promotes its degradation. The enzyme USP7 (HAUSP) stabilizes p53 by deubiquitination and induces p53-dependent cell growth repression and apoptosis. Additional factors such as p14ARF and MDM4 also modulate p53 function via the Ubiquitin Proteasome System (UPS).



Available p53 Ubiquitination Products

Enzymes

[E1](#), [E2](#), [MDM2 Ligase \(Ubiquitinating\)](#) and [Deubiquitinating Enzymes \(DUBs\)](#)

Substrates

[p53 and Control Proteins](#)

Detection Antibodies for conjugating enzymes

[E1 Activating](#), [E2 Conjugating](#), [E3 Ligase](#)

Small Molecule Inhibitors

Specific and cell permeable [E1](#), [MDM2 Ligase](#), and [DUB Enzymes](#)

Kits

[p53 Ubiquitination](#)

To learn more visit www.bostonbiochem.com

To stay informed of our most recently released research products please [SUBSCRIBE](#) to our mailing list