

**TABLE 2.7** General mechanisms of PTM effects on proteins.

<b>Mechanism</b>	<b>Example</b>
Change of physical-chemical properties	Glycosylation increases stability and water solubility
Regulation of activity	Hormone-induced phosphorylation turns activity of many enzymes on and off
Cellular trafficking	Acylation serves as membrane anchor
Regulation of half-life	Ubiquitinylation tags proteins for proteolysis