

Pbx3 and Meis1 cooperate through multiple mechanisms to support Hox-induced murine leukemia



Ubiquitination

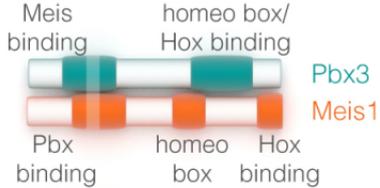


Meis1 breakdown block

binding to Pbx3

deletion of Pbx binding

ubiquitin proteasome inhibition



increases Meis1 half-life via proteasomal degradation protection

increases Meis1 affinity for Hoxa9

induces Meis1 endogenous transcription

is essential for Pbx3/Meis1/Hoxa9/DNA complex formation