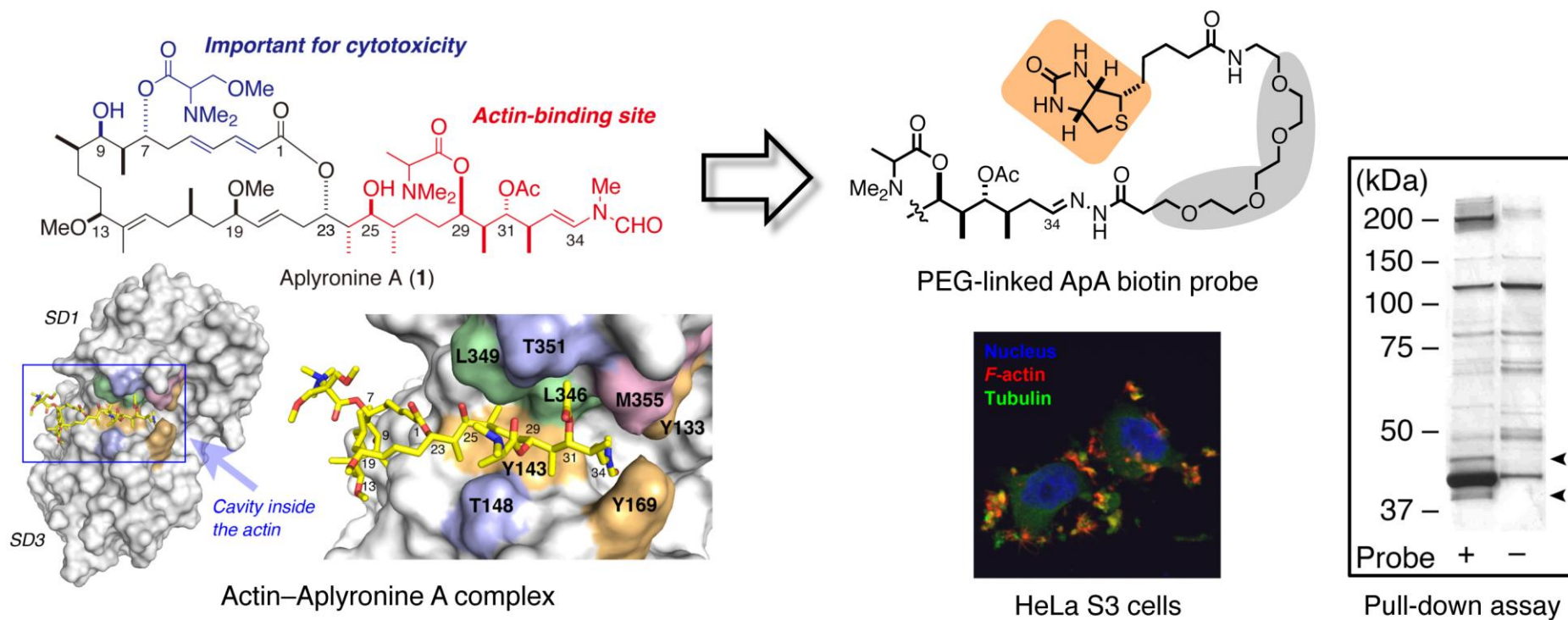


from Laboratory of Bioorganic Chemistry,

Tied Up: Chemical Probes Unveil Antitumor Mechanism - - - - -



This laboratory determined the target proteins of antitumor macrolide aplyronine A. A PEG-linked biotin derivative exhibited potent cytotoxicity and caused actin disassembly in tumor cells. This is the first example in which actin-depolymerizing molecules can also bind to actin-related proteins.

Journal Club: *Angew. Chem. Int. Ed.* 2011; 50: 9871-9874.
Bioconjugate Chem. 2006; 17: 524-529.
J. Mol. Biol. 2006; 356: 945-954.