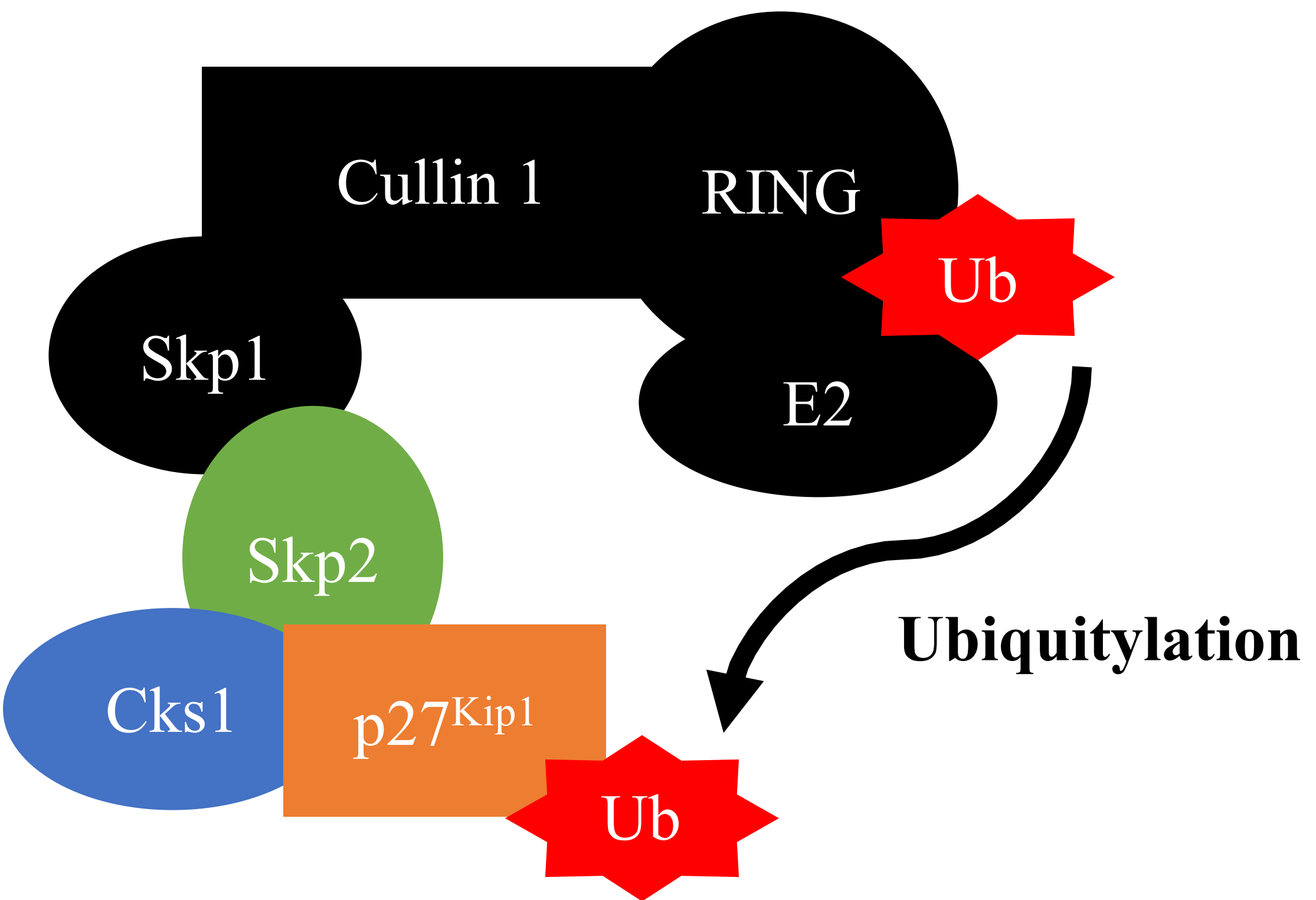


- Both Cks1 and Skp2 are required for the most efficient ubiquitylation of p27^{Kip1}.

- It was also shown that Cks1 and Skp2 are often over-expressed in cancer cells.



Background

Project Description

Results

Conclusion

p27^{Kip1} is degraded by a ubiquitin-dependent process

A. C. Carrano, et al., *Nat. Cell Biol.* **1**, 193-199 (1999)

D. Frescas & M. Pagano, *Nat. Rev. Cancer* **8**, 438-449 (2008)

J. Slingerland & M. Pagano, *J. Cell. Physiol.* **183**, 10-17 (2000)

Cks1: Cyclin-dependent kinases regulatory subunit 1

Skp2: S-phase kinase-associated protein 2

• It was also shown that Cks1 and

$Skp2$ are often over-expressed in

• Both Cks_1 and Skp_2 are

cancreels.

required for the most efficient

ubiquity/latitude of p27kip1.

A.C. Carrano, et al., *Nat. Cell Biol.* 1, 193-199 (1999)

J. Slingerland & M. Pagano, *J. Cell. Physiol.* 183, 10-17 (2000)

D.Frescas & M.Paganò, *Nat.Rev.Cancer* 8, 438-449 (2008)

Cks1:Cyclin-dependent kinases regulatory subunit 1

Skp2: phosphatase-kinase-associated protein 2

Inhibiting p27^{Kip1} ubiquitylation has beneficial effects

Y. Masui & C. L. Markert, *J. Exp. Zool.* 177, 129-145 (1971)

Malmgren & M. Barba, *Nat. Rev. Cancer* 9, 153-166 (2009)

D.O. Morgan, *Nature* 374, 131-134 (1995)

Background

Project Description

Results

Conclusion