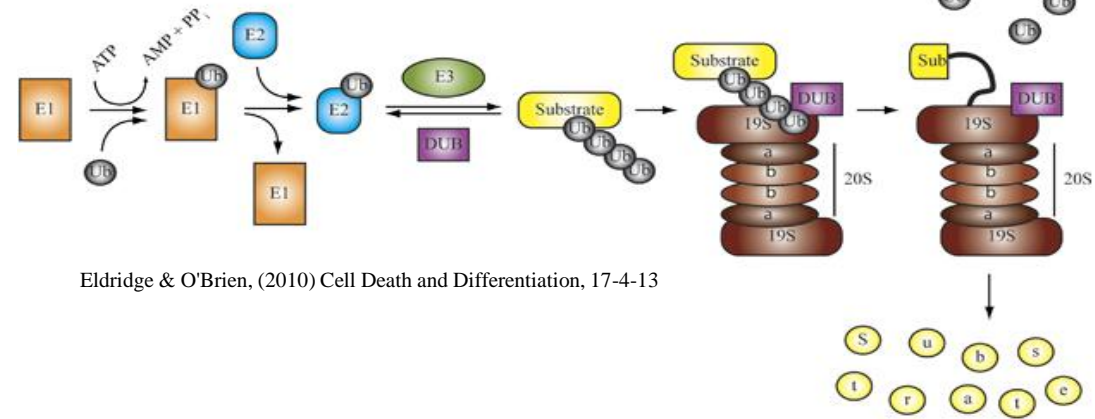
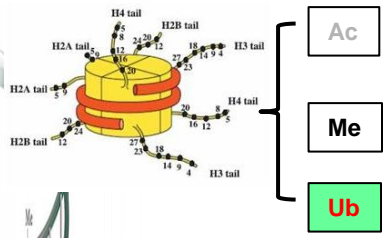


Ubiquitination



Eldridge & O'Brien, (2010) Cell Death and Differentiation, 17-4-13

	Indications
E3 – HECTs	Prostate, bladder cancer
	Esophageal squamous cell carcinoma
	Prostate, breast cancer
	Breast cancer, lymphomas
	Cervical cancer
E3 – RINGs	AML, multiple myeloma
	Cachexia
UbcH10 (E2)	Breast, lung, bladder, ovarian cancers

RBC is Offering Assay development and screenings:

Modified from Eldridge and O'Brien, 2010, Cell Death & Differentiation

Deubiquitination

Deubiquitinases (~100 members):

Four thiol proteases families:

- UCHs (ubiquitin-C-terminal hydrolases);
- USPs (ubiquitin-specific proteases),
- OTU (ovarian-tumor)
- MJD (Machado-Joseph domain).

One zinc-dependent metalloprotease family: JAMM (Jab1/MPN metalloenzyme).

RBC Is Offering:

A20
Ataxin3
BAP1
NEDP1
SENP1
UCHL1
UCHL3
USP2
USP5
USP8
USP10
USP14
USP15

Target	Indications
USP7/Hausp	p53 ⁺ cancers
USP2a	Prostate cancer
USP20	Renal clear cell carcinoma
USP28	Colon, breast carcinoma
USP18	Inflammation
A20	Inflammation
CYLD	Inflammation
PLPro	Infectious Diseases
PLP2	Infectious Diseases
Proteasome	Multiple myeloma, mantle cell lymphoma

