

Supplementary Table 1. Involvement of selected DUBs in the regulation of cancer-related signalling pathways and cellular processes. Table shows several human DUBs involved in the regulation of different signalling pathways/processes, as well as their reported substrates.

DUB	Signalling pathway/Process	Substrate	Reference
USP2a	Fas and p53	FAS	<i>Graner et al., 2004</i>
		MDM2	<i>Stevenson et al., 2007</i>
		MDMX	<i>Allende-Vega et al., 2010</i>
	Mitotic progression	Aurora A	<i>Shi et al., 2011</i>
	NF-κB	RIP1, TRAF2 TRAF6	<i>Mahul-Mellier et al., 2012</i> <i>He et al., 2013</i>
Cell cycle	Cyclin A1	<i>Kim et al., 2012</i>	
USP4	Wnt	TCF4	<i>Zhao et al., 2009</i>
	p53	ARF-BP1	<i>Zhang et al., 2011</i>
	NF-κB	TAK1	<i>Fan et al., 2011</i>
		TRAF2, TRAF6	<i>Xiao et al., 2012</i>
		RIP1	<i>Hou et al., 2013</i>
	TGF-β and AKT	TβRI	<i>Zhang et al., 2012</i>
Akt and other central pathways	PDK1	<i>Uras et al., 2012</i>	
USP7	p53	p53	<i>Li et al., 2002</i>
		MDM2	<i>Li et al., 2004</i>
		MDMX	<i>Meulmeester et al., 2005</i>
	Akt	FOXO4 PTEN	<i>van der Horst et al., 2006</i> <i>Song et al., 2008</i>
USP10	Transcriptional regulation	H2A.Z	<i>Draker et al., 2011</i>
	p53	p53	<i>Yuan et al., 2010</i>
USP29	p53	p53	<i>Liu et al., 2011</i>
USP42	p53	p53	<i>Hock et al., 2011</i>
USP8/Ubpy	Endosomal sorting	EGFR	<i>Mizuno et al., 2005</i>
	Wg/Wnt	Frizzled	<i>Mukai et al., 2010</i>
	Hedgehog	Smoothened	<i>Xia et al., 2012</i>
AMSH	Endosomal sorting	EGFR	<i>McCullough et al., 2004</i>
Cezanne	NF-κB	TRAF6	<i>Evans et al., 2001</i>
		RIP1	<i>Enesa et al., 2008</i>
CYLD	NF-κB	TRAF2, TRAF6	<i>Trompouki et al., 2003</i>
		TRAF6, TRAF7	<i>Yoshida et al., 2005</i>
		TAK1	<i>Reiley et al., 2007</i>
		RIP1	<i>Wright et al., 2007</i>

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