Supplementary Material:

Figure Legend:

Colocalization of endogenous hZimp10, SUMO, and AR with BrdU at DNA replication foci through S phase: LNCaP cells were synchronized, pulsed with BrdU, and then fixed at 4h and 12 h after release into S-phase. Double immunostainings were conducted with antibodies against hZimp10, SUMO-1, or AR followed by the secondary antibodies conjugated with Rhodamine (red), or BrdU followed by FITC (green), respectively. Confocal laser scanning microscopy images of co-localized (yellow) proteins are shown.

Experimental Procedures:

To stain endogenous hZimp10, AR, and SUMO-1 proteins, LNCaP cells were seeded on pre-coated chamber slides (Nalge Nunc International Corp. Naperville, IL). Cells were synchronized and released as described in the "Material and Methods", and allowed to progress through S phase. BrdU was then added to the cells for detection of newly synthesized DNA. At different time points, cells were fixed and stained with specific antibodies.