# Aurora B interaction of centrosomal Nlp regulates cytokinesis

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## Supplementary Data

## Supplementary Figure Legends

Fig. S1. (A) Endogenous Nlp co-localized with Aurora B at midbody. Fixed MCF-7, HeLa and A549 cells were firstly probed with rabbit polyclonal anti-Nlp primary antibody and FITC-conjugated secondary antibody. Aurora B was directed with mouse monoclonal anti-Aurora B first antibody and TRITC-conjugated secondary antibody. DAPI was used to visualize nuclei. The result showed endogenous Nlp (green) and Aurora B (red) co-localized at the midbody of dividing cells (red arrow showed); white arrow showed the cells in interphase. Scale bar: 10μm. (B) In HCT116 cells, anti-Nlp and anti-Aurora B antibodies were used separately to do immunoprecipitation assay. Non-immunogenic rabbit IgG was used as negative control. HC means the heavy chain of IgG.

Fig. S2. Abnormal nuclear phenotypes in cells after endogenous Aurora B exhausted. HeLa over-expressing GFP-Nlp cells were treated with siAurora B for 24 hours, and then stained with DAPI to detect the nuclei. Different abnormal nuclear phenotypes were found through the laser-scanning confocal microscope. White arrows showed the special nuclear phenotypes.

Fig. S1

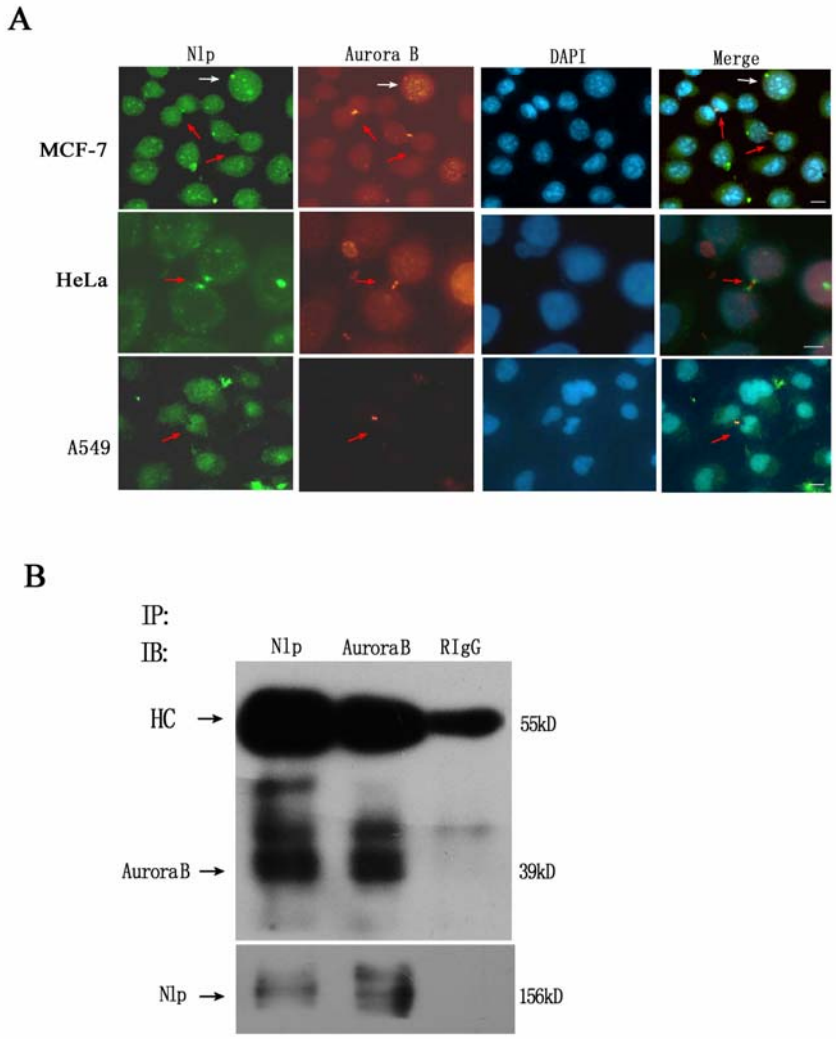
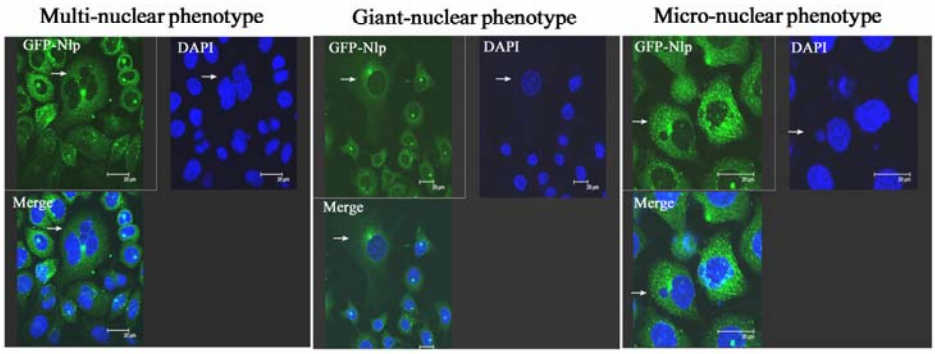

A
Nlp
Aurora B
DAPI
Merge
MCF-7
HeLa
A549
B
IP:
IB:
Nlp
AuroraB
RIgG
HC
55kD
AuroraB
39kD
Nlp
156kD

Fig. S2


Multi-nuclear phenotype
Giant-nuclear phenotype
Micro-nuclear phenotype
GFP-Nlp
DAPI
Merge
GFP-Nlp
DAPI
Merge
GFP-Nlp
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