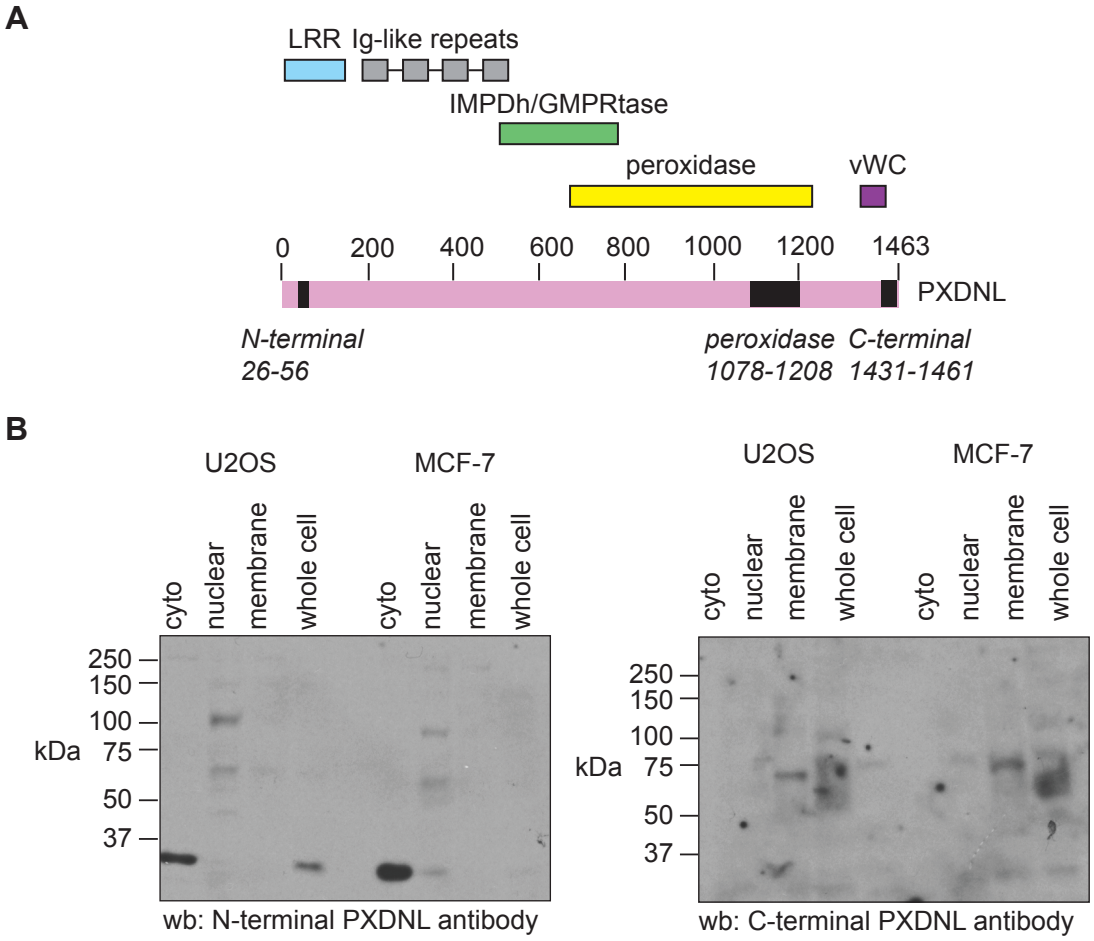

Supplementary Figure S1. Western blot analysis with N-and C-terminal antibodies to PXDNL. A. A schematic of the organization of PXDNL and hPMR1 is shown with the locations indicated for the different antibodies used to detect each of these proteins. **B.** U2OS (left lanes) and MCF-7 cells (right lanes) were lysed, the nuclei were recovered by sedimentation. The supernatant was centrifuged again, the resulting supernatant from this was used as the cytoplasmic fraction and the pellet was taken as the membrane-containing fraction. SDS sample buffer was added to this fraction, to 25 µg of cytoplasmic and nuclear protein, or to a pellet containing 5 x 10^5 cells. These were heat denatured and separated on replicate 10% polyacrylamide gels. Western blots were probed with antibodies to the N-terminus of PXDNL (left panel, Santa Cruz SC98093, residues 26-56) or the C-terminus of PXDNL (right panel, Santa Cruz SC98091, residues 1431-1461). Neither of these antibodies gave evidence for expression of 164 kDa PXDNL, and as expected by the fact that their corresponding epitopes are absence from hPMR1 there was no evidence for reactivity with this 57 kDa protein.