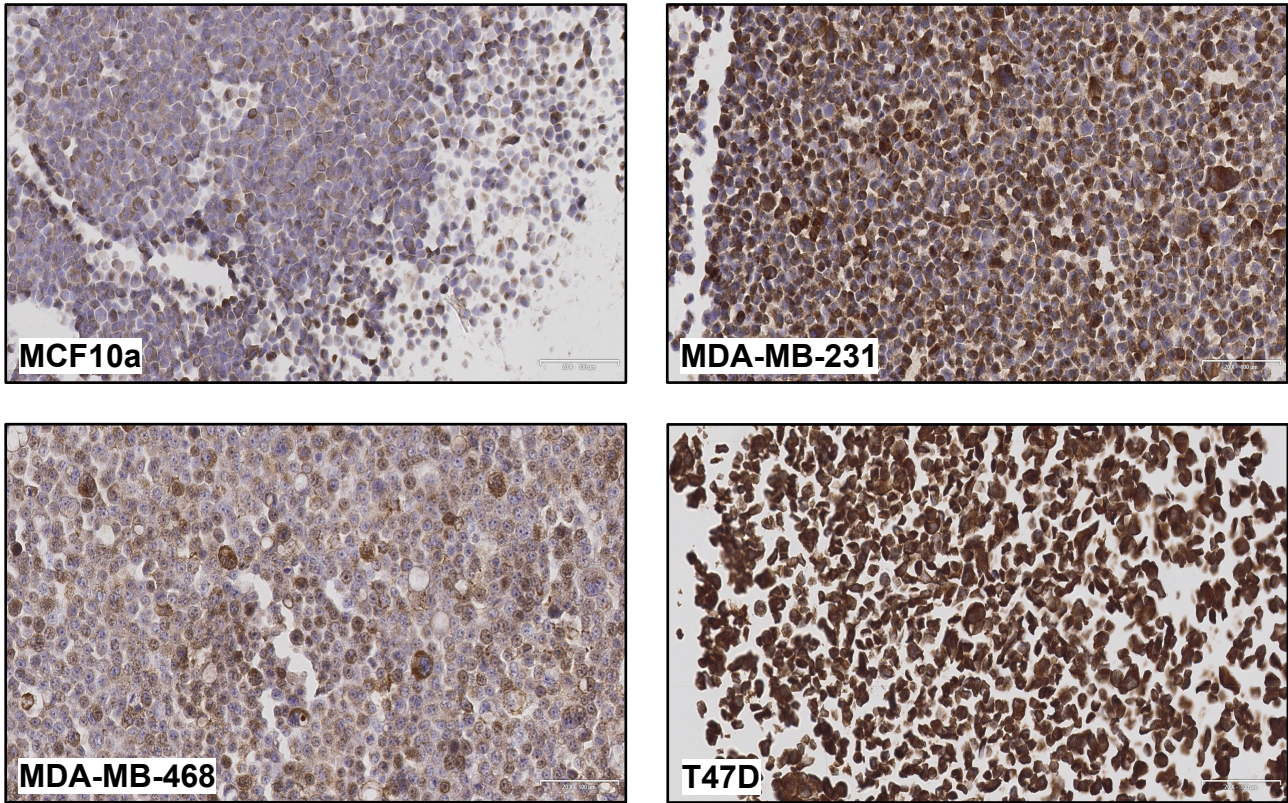
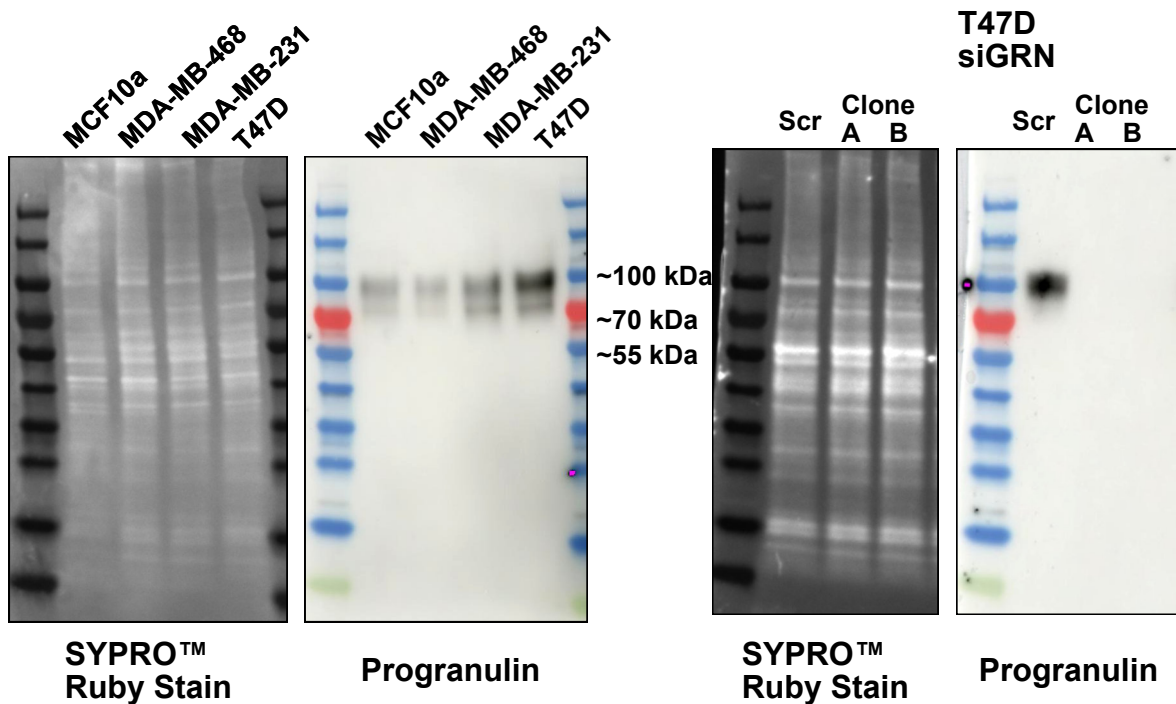


A**B**

Additional file 2: Progranulin antibody validation.

Validation of the progranulin antibody (AF2420, R&D Systems) using Western blotting and immunohistochemistry. Weak or no staining was seen in MCF10a and MDA-MB-468, while strong positive staining was seen in MDA-MB-231 and T47D (A). Correspondingly, protein extracts from MDA-MB-231 and T47D gave an intense band between 70-100kDa using Western blotting and protein extracts from MCF10a and MDA-MB-468 produced very weak bands (B, left). Knockdown experiments using either Scr. control or siGRN confirmed progranulin antibody specificity in T47D (B, right). Representative images of three independent experiments. Scalebar represents 100µm.