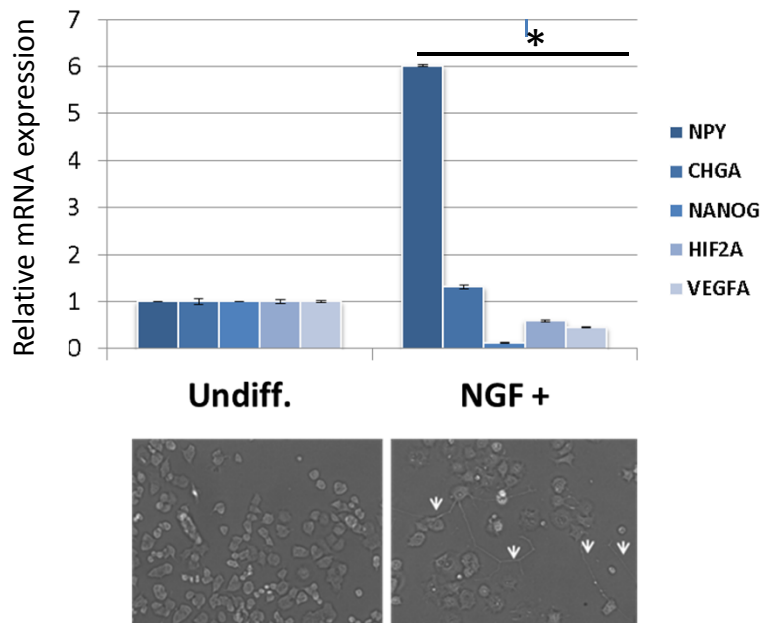
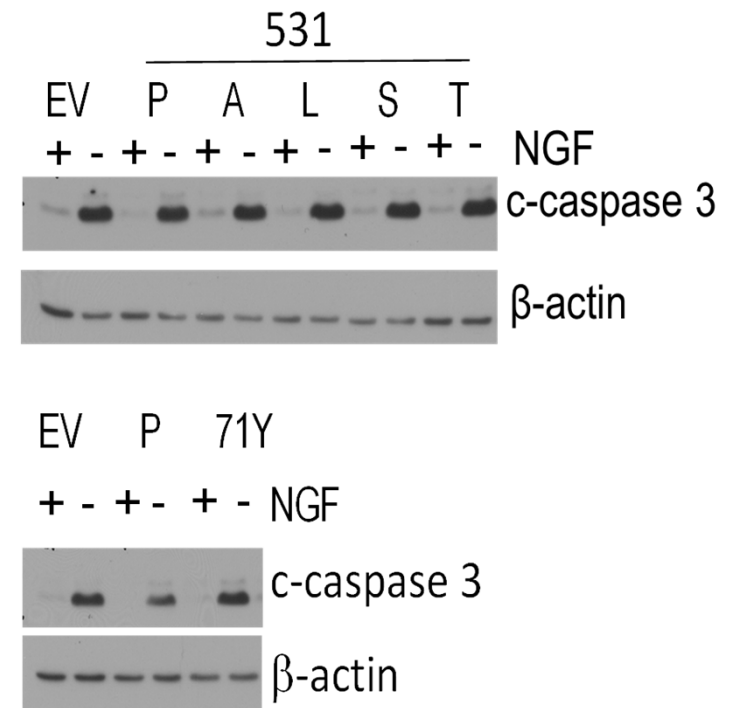


A)



B)



Supplementary Fig.4. A) Top, increased expression of chromaffin markers neuropeptide Y (NPY) and chromogranin A (CHGA), and reduced transcription of HIF2A, its target gene VEGFA and a stem cell marker, NANOG, after exposure to NGF 50ng/ml for 7 days (NGF +), measured by quantitative real time PCR (qRT-PCR, * $p < 0.001$ for each gene transcript change in relation to undifferentiated-undiff- cells). Bottom, phase-contrast image of undiff and NGF-differentiated NGF+ PC12 cells. Extended neurites, typical of differentiated cells, are indicated by white arrowheads. **B)** Immunoblots of cleaved caspase 3 expression of PC12 cells expressing empty vector (EV), or HIF2A constructs encoding either wild-type sequence (P), codon 531 mutants (Leu= L, Ser=S, Thr=T or positive control Ala=A) or the Ser71Tyr (71Y) exposed to NGF 50ng/ml for 7 days, or 24h after its removal. Beta-actin was used a loading control.