



**Figure 27. Expression of apoptosis-related proteins in normal vs senescent H28 and PANC-1 cells.** Cell lysates from three independent senescent cultures (treated with BrdU for 8 days) of each cell line were by Western blotting compared with the lysates from normal proliferating culture for the expression of indicated proteins.

Pro-senescence BrdU treatment triggered in H28 cells stabilization of wt p53, which correlated with p53-dependent upregulation of CDK inhibitor p21. In contrast PANC-1 cells with mutated p53 show high levels of p53 even in non-stressed state, and they did not increase their expression of p21. Neither in H28, nor in PANC-1 cells, we detected differences in the expression of proteins Bid, Bcl-xL or XIAP. While expression of these proteins remained unchanged in senescent cells, we observed pronounced and