Supplemental data_table 1. Primers used for cloning, PCR, qRT-PCR and sequencing.

	Gene	*Name*	*Sequence*
Cloning	BBC3/PUMA	PUMA_3'UTR_F	GTGGACGTCAGGGACTCG
	BBC3/PUMA	PUMA_3'UTR_R	TTGAAAAGGAAACATACAAAAATCA
	miR-483	MIRZIP_AS_miR-483-3p_U	CCGAGCTCGGGATCCTCACTCCTCTCCTCCCGTCTTCTTCCTGTCAGAAAGACGGGAGGAGAGGAGTGATTTTTGAATTCGCGGCCGCC
	miR-483	MIRZIP_AS_miR-483-3p_L	GGCGGCCGCGAATTCAAAAATCACTCCTCTCCTCCCGTCTTTCTGACAGGAAGAAGACGGGAGGAGAGGAGTGAGGATCCCGAGCTCGG
qRT-PCRs	IGF2	IGF2_957802F	CTCTCCTCCTCCACGTCAAC
	IGF2	IGF2_956252R	ACAAGCTCGGTGGTGACTCT
	IGF2	IGF2_3044F	TCCTCCCTGGACAATCAGAC
	IGF2	IGF2_5965R	AGAAGCACCAGCATCGACTT
	IGF2	IGF2_5965F	AAGTCGATGCTGGTGCTTCT
	IGF2	IGF2_7866R	CGGAAACAGCACTCCTCAA
	IGF2	IGF2_7846F	CGTTGAGGAGTGCTGTTTCC
	IGF2	IGF2_8307R	GGACTGCTTCCAGGTGTCAT
	IGF2	IGF2-3	CTTGGACTTTGAGTCAAATTGG
	IGF2	IGF2-2	CGGGGATGCATAAAGTATGAG
Site direct mutagenesis	BBC3/PUMA	BBC3_mutF	AGGAGTCTGAATTAGGGGAGGGATGGCCCAG
	BBC3/PUMA	BBC3_mutR	CTCCCCTAATTCAGACTCCTCCCTCTTCCGAG

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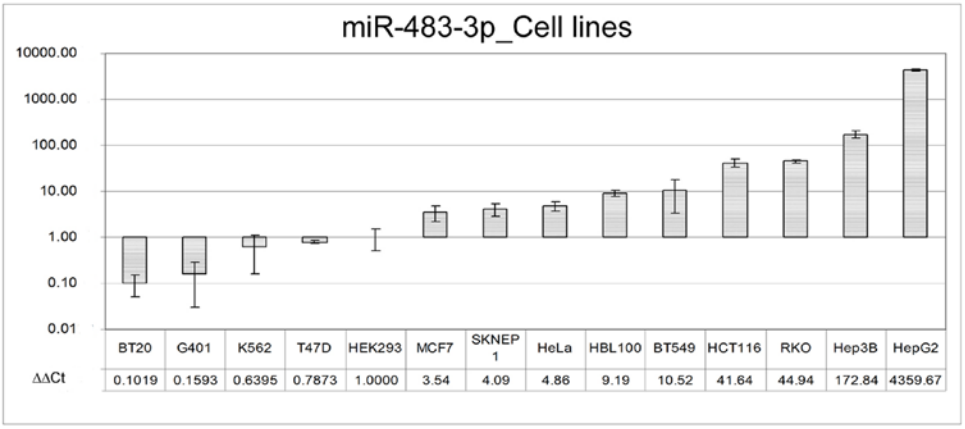

Supplemental data Fig.1. (A) *miR-483-3p* relative expression analysis by quantitative real time PCR on 14 cell lines. Each sample data was normalized on the *RNU6B* (ΔCt method) and related to the HEK293 *miR-483-3p* expression (ΔΔCt method).

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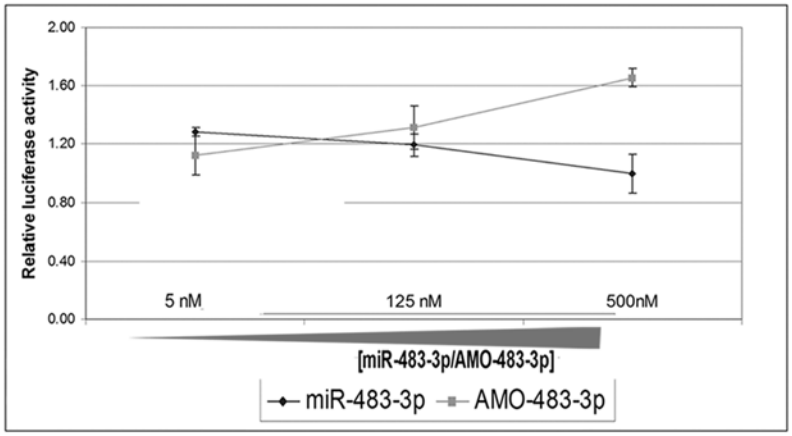
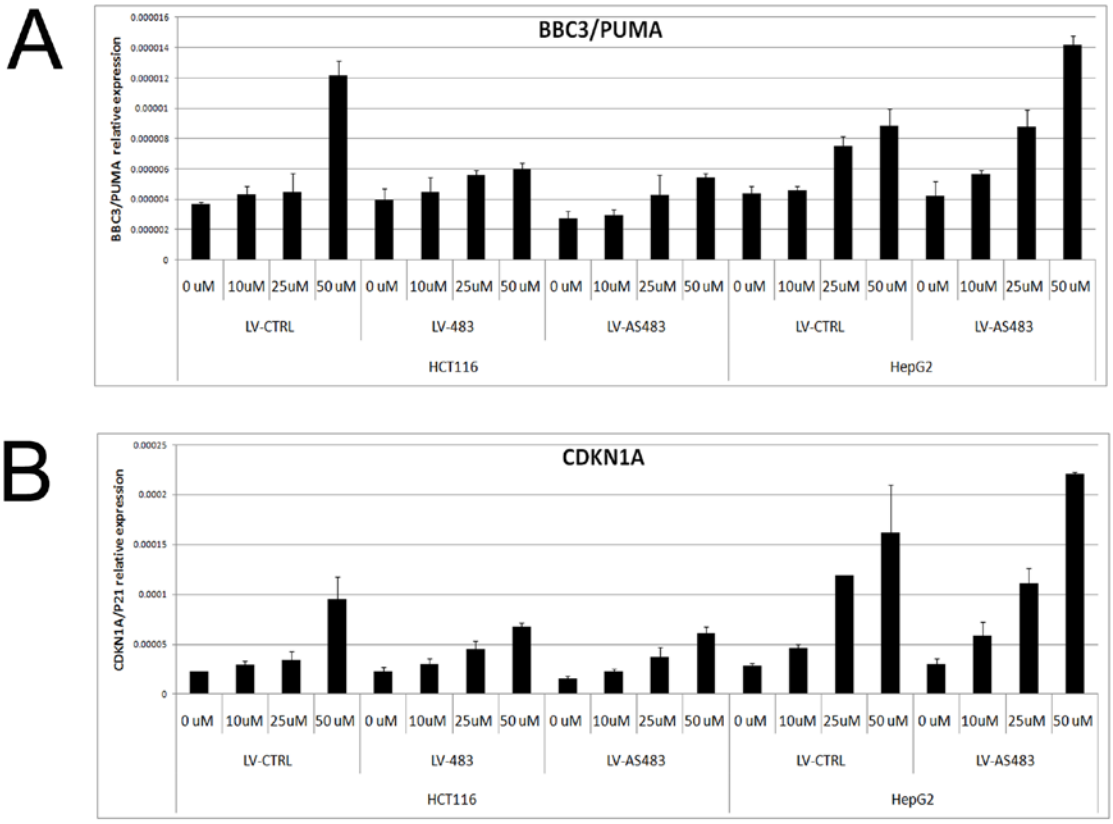
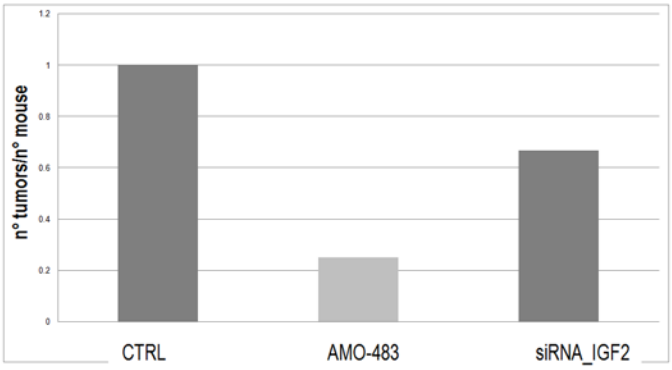


Supplemental data Fig.2. Caspase 3/7 activity in HCT116 cells was inversely correlated with different amount of transfected miR-483-3p while, conversely, was directly correlated with the amount of AMO-483-3p after Nutlin-3A stimuli (5μM). Each value represents the average of relative luminescence ± standard deviation.



Supplemental data Fig. 3 CDKN1A/P21 and BBC3/PUMA RNA induction in stable cell lines after 5-Fluorouracil treatment. qRT-PCR analysis of CDKN1A/P21 and BBC3/PUMA expression was normalized on 18S RNA.



Supplemental data Fig. 4. HepG2 cells (10×10^6 cells/200 ul) were injected subcutaneously into the flanks of nude mice 24 h after transfection with AMO_miR-483-3p or AMO Negative Control. Tumors were counted after 20 days.