**Supplementary Tables**

**AEBP1 down regulation induced cell death pathway depends on PTEN status of glioma cells**

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**Supplementary Tables**

**Supplementary Table 1.**

Localization of PTEN mutations in glioma cell lines. Sequencing of PTEN cDNA of LN18 and LN229 shows no mutations and U87MG and U138MG cells shows two variations.

|  |  |  |
| --- | --- | --- |
| **Cell line** | **Codon** | **Amino acid changes and mutation** |
| LN18 | WT | None |
| LN229 | WT | None |
| U87MG | 139 (Exon 2)  589 (Exon 5) | AGG(Arg)→GGG(Gly)  AAG(Lys)→GAG(Glu) |
| U138MG | 440 (Exon 5)  782 (Exon 7) | AAG(Lys)→AGG(Arg)  CAG(Gln)→CTG(Leu) |

**Supplementary Table 2.**

**siRNA for AEBP1 and the list of primers used in this study**

|  |  |  |  |
| --- | --- | --- | --- |
| **Gene** | | **siRNA** | **Sequence** |
| ON-TARGETplus Human AEBP1 (165) siRNA – SMARTpool- L-009694-00-0050 | | **siRNA-1** | 5’-GGUGGUGGCUCGUUUCAUC-3’ |
| **siRNA-2** | 5’-GCGAGCGGCUAGUAUCCUA-3’ |
| **siRNA-3** | 5’-CACCUAAGGCCACCAAGAA-3’ |
| **siRNA-4** | 5’-UCACAACAGUAGAGACCUA-3’ |
| **Luciferase reporter assay for PI3kinase (110) catalytic sub unit beta (PI3KCB)** | | | |
| **PI3KCB Luc** | FP | 5’ccctcgaggaagtatttaacttttttctctg 3’ | |
| RP | 5’ cccaagccataagaaatta 3’ | |
| **ChIP-PCR** | | | |
| **PI3KCB** | FP | 5’ CATATATATAATTTGTGAA 3’ | |
| RP | 5’ CATAGAAATTATACCTATT 3’ | |
| **DMTF1** | FP | 5' TTCCCTCCGTTCCACAC 3' | |
| RP | 5' CCTGGGTTGGAATGTTTG 3' | |
| **SIVA-1** | FP | 5' CTCCCACCCTTCGTCG 3' | |
| RP | 5' GGTGGGACTCGTGCGT 3' | |
| **ERBB2IP** | FP | 5' GGCGAAGGAGAACAAGC 3' | |
| RP | 5' CACCGCTTCCTCTCCG 3' | |
| **PTENWT amplification with *HindIII* and *BamHI* restriction site** | | | |
| **PTENWT-FP** | FP | 5' GCGAAGCTTATGACAGCCATCATCAAAGAGA 3' | |
| **PTENWT-RP** | RP | 5' GCAGGATCCTCAGACTTTTGTAATTTGTGTATG 3' | |
| **PTEN sequencing specific primers** | | | |
| **PTENWT-1** | FP | TATAGGGAGACCCAAGCTGG | |
| RP | TCTTGTGAAACAACAGTGCCA | |
| **PTENWT-2** | FP | AGTAACTATTCCCAGTCAGAGG | |
| RP | TGGCAACTAGAAGGCACAGT | |
| **Gene Expression Primers** | | | |
| **AEBP1** | FP | 5'-ATGGACTATTACTTTGGGCC-3' | |
| RP | 5'-GGGTAGTCCTCCTGGTGTCC-3' | |
| **CAMTA1** | FP | 5'-AATGAGGGAGCGCCTTC-3' | |
| RP | 5'-GAACCCGAAAGAACTGTC-3' | |
| **MDM2** | FP | 5'-AACAGCGACACGGAGATC-3' | |
| RP | 5'-GCCGTTGCGCTATGTTTG-3' | |
| **UBE3A** | FP | 5'-TACTGTAGATCAACCTGATG-3' | |
| RP | 5'-CTTGAGAACTGAAGAGCAC-3' | |
| **ARNT** | FP | 5'-GCAGGACAAAGGAAGAGC-3' | |
| RP | 5'-CTCCTTTAGATCGCAGCC-3' | |
| **CD93** | FP | 5'-AACTGTGAGGAGGGAAGG-3' | |
| RP | 5'-CCAGGTATTTCGAGTTGTC-3' | |
| **MAPK13** | FP | 5'-AGACGCCGAGATGACTG-3' | |
| RP | 5'-GAATCATCAAACGGCTGC-3' | |
| **GAPDH** | FP | 5'-AACAGCGACACCCACTCCTC-3' | |
| RP | 5'-GGAGGGGAGATTCAGTGTGGT-3' | |