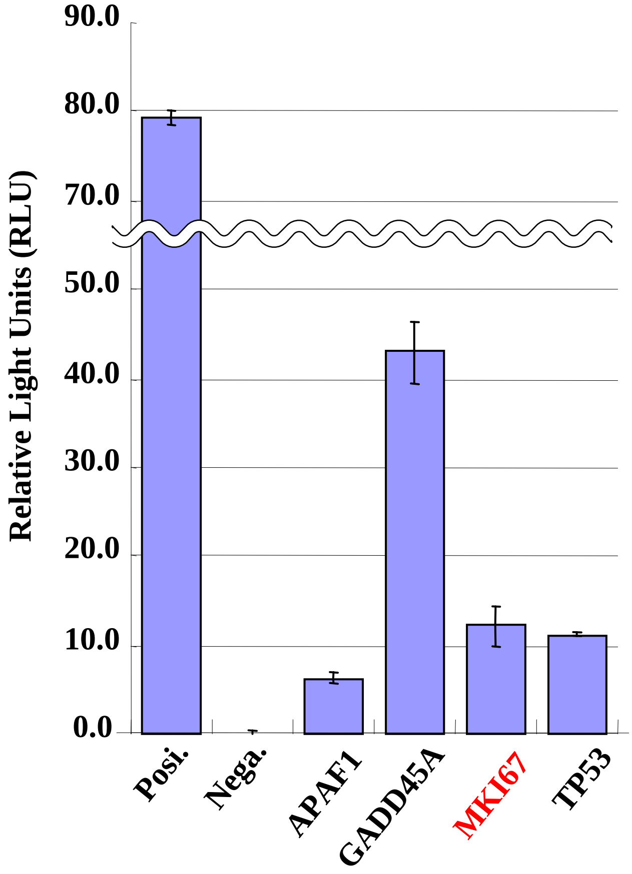
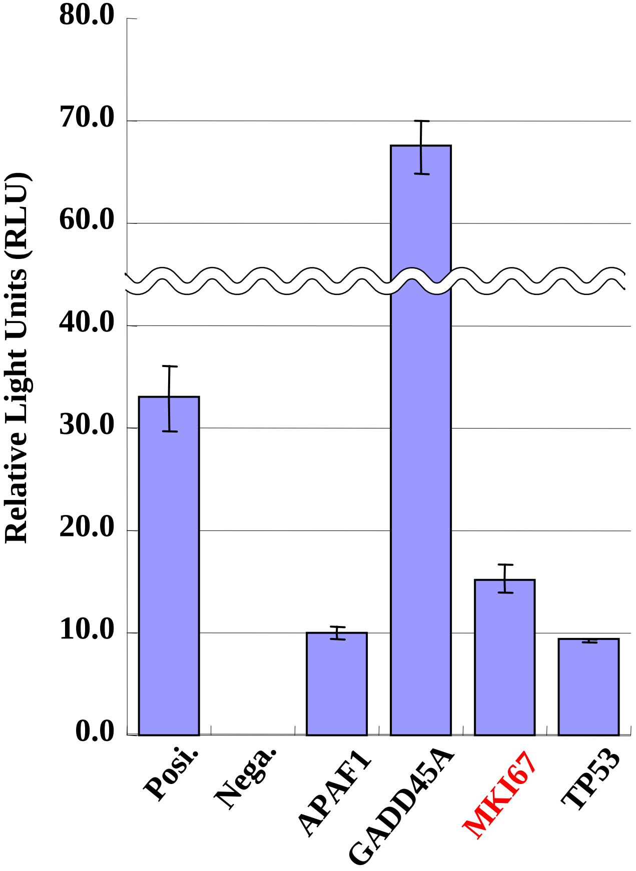
The Promoter Activities of Reporter Constructs

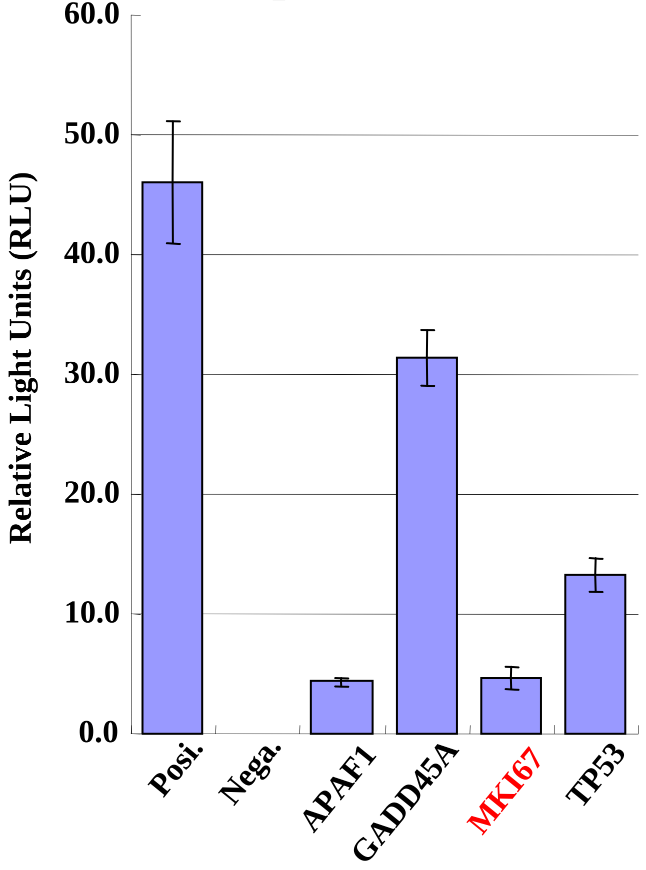
HeLa cells



HepG2 cells



Hep3B cells



Posi.: pGL3 Control Vector
(SV40 promoter)
Nega.: Empty Vector

APAF1: pGL4-phAPAF1 (RDB# 7316)
GADD45A: pGL4-phGADD45A (RDB# 7320)
MKI67: pGL4-phMKI67 (RDB# 7323)
TP53: pGL4-phTP53 (RDB#7330)

2009, DNA Bank, RIKEN BioResource Center

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[ GENETYX : Nucleotide Sequence Homology Data ]

Date : 2010.03.02

1st Nucleotide Sequence
  File Name         : Reference Seq.gnu
  Sequence Size     : 5661

2nd Nucleotide Sequence
  File Name         : RDB7323F.fasta
  Sequence Size     : 527

  Unit Size to Compare = 1
  Pick up Location     = 1



[99.803% / 507 bp]     INT/OPT.Score : <   1732/  2012 >

      1’                       GGCCTAACTG GCCGGTACCT GAGCTCGCTA GCCTCGAGGA
                               ********** ********** ********** **********
      1″ AGGTGCCAGA ACATTTCTCT GGCCTAACTG GCCGGTACCT GAGCTCGCTA GCCTCGAGGA

     41’ TAAAAGCGTG TTTAGGCTCC ATTCACTTCA CCCCAGGTGG CCTACTGAGC CCACATGGCC
         ********** ********** ********** ********** ********** **********
     61″ TAAAAGCGTG TTTAGGCTCC ATTCACTTCA CCCCAGGTGG CCTACTGAGC CCACATGGCC

    101’ ACCAGCGCAA CTGAAGCAGA CCCCGATAGA ATCCTGTGTA GAATTATTTT AGGATTCACC
         ********** ********** ********** ********** ********** **********
    121″ ACCAGCGCAA CTGAAGCAGA CCCCGATAGA ATCCTGTGTA GAATTATTTT AGGATTCACC

    161’ CATCTTGGCA TGCACAAGCC ATTTCAATTG AAGAATGTTT TCTAATAACA AAACATTGTA
         ********** ********** ********** ********** ********** **********
    181″ CATCTTGGCA TGCACAAGCC ATTTCAATTG AAGAATGTTT TCTAATAACA AAACATTGTA

    221’ AACCTAAGTA TGTGGCAATA GTAATGATTA AGTAAATTAT GGTTTCCCGA AGCCCAGTGC
         ********** ********** ********** ********** ********** **********
    241″ AACCTAAGTA TGTGGCAATA GTAATGATTA AGTAAATTAT GGTTTCCCGA AGCCCAGTGC
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    281’ TCTGCAGCCA TCAGAGAGTA AAAGCGAGAA TGTGTTCAGT GGAGATAGCC TCAGGATATT
         ********** ********** ********** ********** ********** **********
    301″ TCTGCAGCCA TCAGAGAGTA AAAGCGAGAA TGTGTTCAGT GGAGATAGCC TCAGGATATT

    341’ TAAAAGCAGA GAGCACAAAG TATAGAATCG TGTTGTGTAT GTTATGACCT TTTTTTCTGT
         ********** ********** ********** ********** ********** **********
    361″ TAAAAGCAGA GAGCACAAAG TATAGAATCG TGTTGTGTAT GTTATGACCT TTTTTTCTGT

    401’ GCTTTTGAAA AAGAGAATAC ACGTATAGC- AGGAAAAGAC ACACCAAACT ACTTTATATA
         ********** ********** *********  ********** ********** **********
    421″ GCTTTTGAAA AAGAGAATAC ACGTATAGCA AGGAAAAGAC ACACCAAACT ACTTTATATA

    460’ ATTGGTTGTT TTTGTGTTTG GTAAGATGTA TGCACTGAAG AGGAAGGTTT CGATTTTTTT
         ********** ********** ********** ********** *******
    481″ ATTGGTTGTT TTTGTGTTTG GTAAGATGTA TGCACTGAAG AGGAAGG




1st Nucleotide Sequence
  File Name        : Reference Seq.gnu
  Sequence Size    : 5661

2nd Nucleotide Sequence
  File Name        : RDB7323R.fasta (Complementary)
  Sequence Size    : 718

  Unit Size to Compare = 1
  Pick up Location     = 1



[97.510% / 723 bp]     INT/OPT.Score : <   2274/  2687 >

    781’ GGGATTACCG GCGTGAGCCA CCGCGTCCCG CCTGTTTTTA ATTTTTAGCA GTTTTAAATC
                                                      *** *   * *  ** .***
      1″                                        CCCT GTTTATTTTA GAGTTTNATC
```

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 841’  TTCTGGCAAT GAGTAATGTT ATAGTGTCCC AGATGTTTGG TCCTTTAAGA AAAGGATAGC
        *** ** ** **** *** * ******* ** ******** * * *******  **********
  25″  -TCT-GC-AT GAGT-ATG-T ATAGTGT-CC AGATGTTT-G T-CTTTAAG- AAAGGATAGC

 901’  AGGACGGGTT ATCTCGGTGG GAGCGTGTTC CACCTCTGCC CTCCGCCAGC CGCCCTCGCC
       ********** ********** ********** ********** ********** **********
  76″  AGGACGGGTT ATCTCGGTGG GAGCGTGTTC CACCTCTGCC CTCCGCCAGC CGCCCTCGCC

 961’  GGGGATGCAC CCAGGTATTT TCCTCCGGAT GCGTGAGTGG CTCGCCCGCG GACACGCCAG
       ********** ********** ********** ********** ********** **********
 136″  GGGGATGCAC CCAGGTATTT TCCTCCGGAT GCGTGAGTGG CTCGCCCGCG GACACGCCAG

1021’  CCCCGCCCCG CGAGCCCGGT TTCCCCGCCC CCTCCCCGCC CACGCCCTGC GCTCCCTTCC
       ********** ********** ********** ********** ********** **********
 196″  CCCCGCCCCG CGAGCCCGGT TTCCCCGCCC CCTCCCCGCC CACGCCCTGC GCTCCCTTCC

1081’  TATTGGTCCC ATGCCGCGCT TTCCCGTTCA ATCGCAGCGC TTAGCGCCAG AATTTGAATC
       ********** ********** ********** ********** ********** **********
 256″  TATTGGTCCC ATGCCGCGCT TTCCCGTTCA ATCGCAGCGC TTAGCGCCAG AATTTGAATC

1141’  TTCGTTTTCG TTTGAATTGG GCGGGCGCGC CGGGCTGGAA GAAGGAAGTG GAGGGCTGAC
       ********** ********** ********** ********** ********** **********
 316″  TTCGTTTTCG TTTGAATTGG GCGGGCGCGC CGGGCTGGAA GAAGGAAGTG GAGGGCTGAC

1201’  GCTGCGGGCG GGCGGGCGGG CGGGAGGACT CGACTCGGTG GGAGCCGCTA GAGCCGGGCG
       ********** ********** ********** ********** ********** **********
 376″  GCTGCGGGCG GGCGGGCGGG CGGGAGGACT CGACTCGGTG GGAGCCGCTA GAGCCGGGCG

1261’  CCCGGGGACG TAGCCTGTAG GGCCACCGGG TCCCCGTCAG AGGCGGCGGC GGGAGCAGCG
       ********** ********** ********** ********** ********** **********
 436″  CCCGGGGACG TAGCCTGTAG GGCCACCGGG TCCCCGTCAG AGGCGGCGGC GGGAGCAGCG

1321’  GGGACTGCAG GCCGGGGTGC AGCGAACGCG ACCCCGCGGG CTGCGGCCCG GTGTGTGCGG
       ********** ********** ********** ********** ********** **********
 496″  GGGACTGCAG GCCGGGGTGC AGCGAACGCG ACCCCGCGGG CTGCGGCCCG GTGTGTGCGG

1381’  AGCGTGGCGG GCGCAGCTTA CCGGGCGGAG GTGAGCGCGG CGCCGGCTCC TCCTGCGGCG
       ********** ********** ********** ********** ********** **********
 556″  AGCGTGGCGG GCGCAGCTTA CCGGGCGGAG GTGAGCGCGG CGCCGGCTCC TCCTGCGGCG
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1441’ GACTTTGGGT GCGACTTGAC ATCAAGATCT GGCCTCGGCG GCCAAGCTTG GCAATCCGGT
      ********** ******* ** ********** ********** ********** **********
 616″ GACTTTGGGT GCGACTT-AC ATCAAGATCT GGCCTCGGCG GCCAAGCTTG GCAATCCGGT

1501’ ACTGTTGGTA AAGCCACCAT GGAAGATGCC AAAAACATTA AGAAGGGCCC AGCGCCATTC
      ********** ********** ********** ********** ****
 675″ ACTGTTGGTA AAGCCACCAT GGAAGATGCC AAAAACATTA AGAA
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