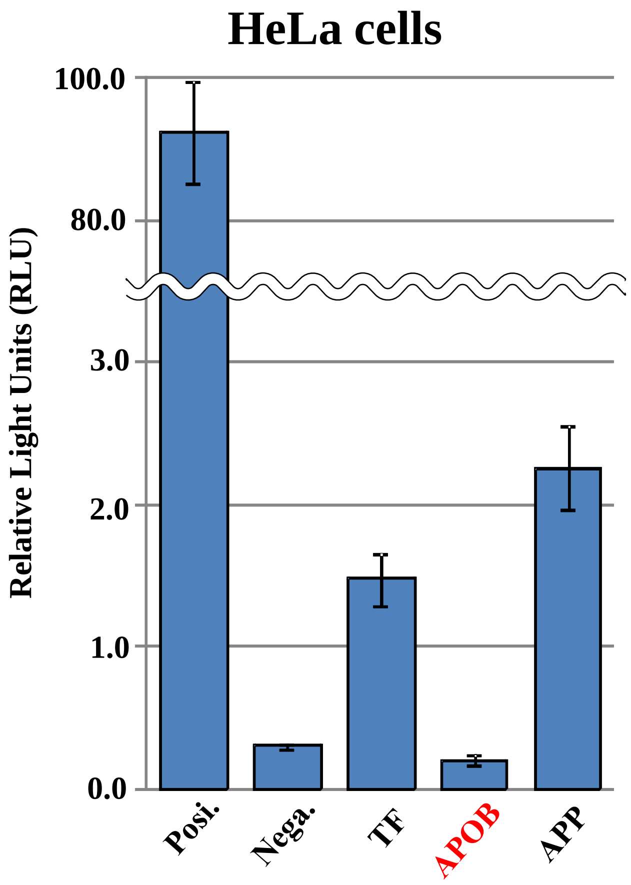
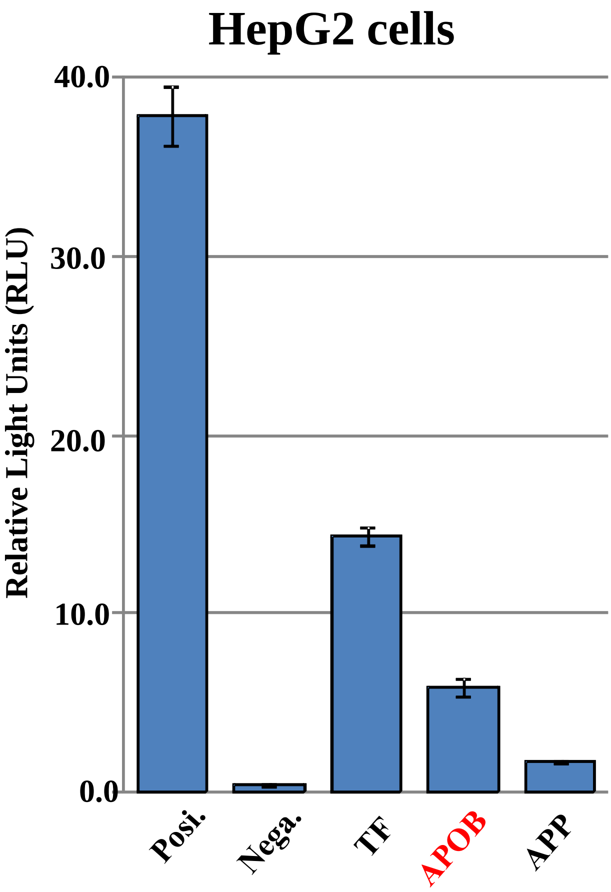
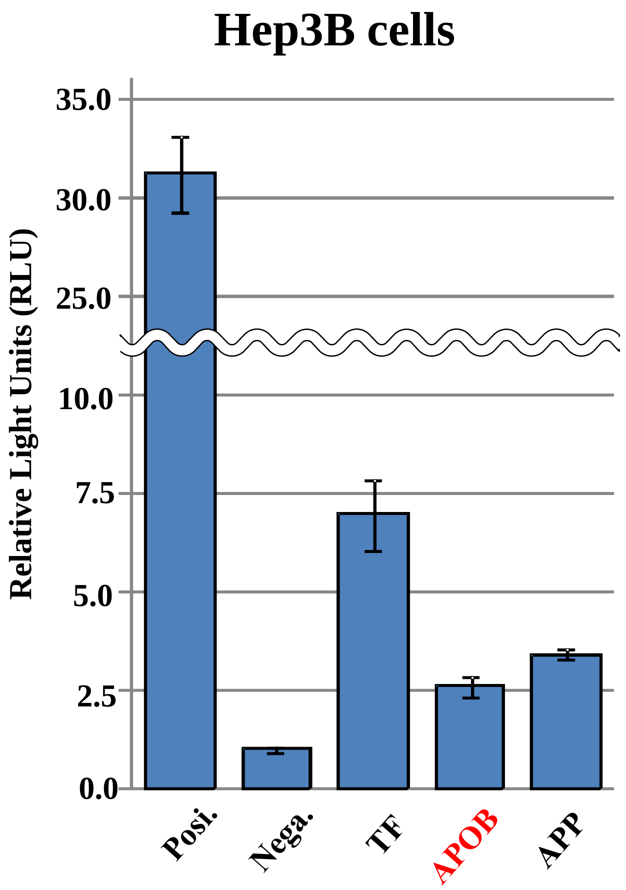
The Promoter Activities of Reporter Constructs


HeLa cells


HepG2 cells


Hep3B cells

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

TF: pGL4-phTF (RDB# 7540)
APOB : pGL4-ph APOB (RDB# 7527)
APP : pGL4-ph APP(RDB# 7692)

2010, DNA Bank, RIKEN BioResource Center

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[ GENETYX : Nucleotide Sequence Homology Data ]

Date : 2009.11.05

1st Nucleotide Sequence
  File Name         : Reference Seq.GNU
  Sequence Size     : 5706

2nd Nucleotide Sequence
  File Name         : RDB7527F.fasta
  Sequence Size     : 700

  Unit Size to Compare = 1
  Pick up Location     = 1



[96.132% / 698 bp]     INT/OPT.Score : <    366/  2516 >

      1'              GGCCTAAC TGGCCGGTAC CTGAGCTCGC TAGCCTCGAG GATGCAGGCG
                      ******** ********** ********** *** *   ** **********
      1″ CGAACTTTCT CTGGCCTAAC TGGCCGGTAC CTGAGCTCGC TAGACCTCAG GATGCAGGCG

     49' AAGGTCTTTC TGTGAGTCTC CTCTGAGGGA ACTGGGTCTN TTATACATAG TTACTGTTTC
         ********** ********** ********** *********  ********** **********
     61″ AAGGTCTTTC TGTGAGTCTC CTCTGAGGGA ACTGGGTCT- TTATACATAG TTACTGTTTC

    109' AGAATTGATC CTTCTGGAAT CATCAGTCTT NCACCAGTAG CTTGTTACAT CTGGGGTTAT
         ********** ********** **********  ********* ********** ****** ***
    120″ AGAATTGATC CTTCTGGAAT CATCAGTCTT -CACCAGTAG CTTGTTACAT CTGGGGGTAT

    169' CTCATAATTC AAACAAAGCT GNACAAGTTG TAACAATGAG CACACACTGA CTTCTGCAAC
         ********** ********** * ******** ********** ********** **********
    179″ CTCATAATTC AAACAAAGCT G-ACAAGTTG TAACAATGAG CACACACTGA CTTCTGCAAC

    229' AGGCGCTGTC CANCTTCCCA TCCGCACTCT ACCGGCTTGC TCCTGGCCGC CTCCCACTCG
         ********** ** ******* ********** ********** ********** **********
    238″ AGGCGCTGTC CA-CTTCCCA TCCGCACTCT ACCGGCTTGC TCCTGGCCGC CTCCCACTCG
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289’ CCTNTCCTGG GTGGTCCCCC AGCAGTTATA CCTACCTGGT TGTCGCCCCC TCTANTCCTA
     *** ****** ********** ********** ********** ********** **** *****
297″ CCT-TCCTGG GTGGTCCCCC AGCAGTTATA CCTACCTGGT TGTCGCCCCC TCTA-TCCTA

349’ CCACAATTGC TCACTAGCGG TTTCCTGCGT ACACAGCTTG TCTCCNCTAA CCAGAGTGGA
     ********** ********** ********** ********** ***** **** **********
355″ CCACAATTGC TCACTAGCGG TTTCCTGCGT ACACAGCTTG TCTCC-CTAA CCAGAGTGGA

409’ GGTGCCTTGG GGACACAGCC AGGCTCAGAC ATTCACNTCA GCTCATCATA GTGCCATCCC
     ********** ********** ********** ****** *** ********** **********
414″ GGTGCCTTGG GGACACAGCC AGGCTCAGAC ATTCAC-TCA GCTCATCATA GTGCCATCCC

469’ ATCAATAACC CCTTCTGAGT GATCCTGNGG TTAGTAAACC GAGTGTCCCT GAAATTCCAC
     ********** ********** ******* ** ********** ********** ***** ****
473″ ATCAATAACC CCTTCTGAGT GATCCTG-GG TTAGTAAACC GAGTGTCCCT GAAATCCCAC

529’ TACCGCTGAT TCCCTCCANG CTGGGCAGAG GCAGCGAGCG CTGGCTGAAG CTTCCGGTGG
     ********** ****    .* ********** ********** **********  *********
532″ TACCGCTGAT TCCCCTACAG CTGGGCAGAG GCAGCGAGCG CTGGCTGAAG TTTCCGGTGG

589’ GAAATGGGCN AGTGCCTAGA AGAGAAGGAA ACGATGCATG AGAAGGTTCC AGATGTCTAT
     *********  ********** *  ******* ********** ********** **********
592″ GAAATGGGC- AGTGCCTAGA AAGGAAGGAA ACGATGCATG AGAAGGTTCC AGATGTCTAT

649’ NGAGGAACAT GACGTGTCCT GTCCACTACT CTGCTTTTCC TCG-TCCGCC TCNCCCACCA
      **.****** ********** ********** ********** *** ******
651″ -GANGAACAT GACGTGTCCT GTCCACTACT CTGCTTTTCC TCGTTCCGCC C
```

1st Nucleotide Sequence
File Name : Reference Seq.GNU
Sequence Size : 5706

2nd Nucleotide Sequence
File Name : RDB7527R.fasta (Complementary)
Sequence Size : 750

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 Unit Size to Compare = 1
 Pick up Location     = 1



[97.375% / 762 bp]     INT/OPT.Score : <    473/  2791 >

   781' TGCGCCCTCG GAGGTTGCTC TNTCCCCAGA GGCCTCTCCT CGCTGGGGTT TCTTGAAGAC
                                                  ********* **********
     1"                                          C TGCTGGGGTT TCTTGAAGAC

   841' AGATACTTGG ACNTCCTGCT GGGACCAGGC AGGCCACCCA TCCTCAGGGG CAGTGACTGG
        ****.***** ** *******  ********* *** ****** ********** **********
    22" AGATNCTTGG AC-TCCTGCT -GGACCAGGC AGGGCACCCA TCCTCAGGGG CAGTGACTGG

   901' TCANCTCACC AGACCTCCCT GCATCCCCCT TCTCTCTCCT CCCCCAGCAC GGGCNTGAAC
        *** ****** ****** * * * ******** ********** ********** **** *****
    80" TCA-CTCACC AGACCTGCGT GGATCCCCCT TCTCTCTCCT CCCCCAGCAC GGGC-TGAAC

   961' CCCGCAGCCA CAGATTCTGA TCAGGATTAG GGTGTGGGTG CAAATNCCAA GGTCCACCAA
        ********** ********** ********** ********** ***** **** **********
   138" CCCGCAGCCA CAGATTCTGA TCAGGATTAG GGTGTGGGTG CAAAT-CCAA GGTCCACCAA

  1021' AATGGAAAAG AAGTAACCGA TGGGAACACG TCTCCANCCA AGACAGCGCT CAGGACTGGT
        ********** ********** ********** ****** *** ********** **********
   197" AATGGAAAAG AAGTAACCGA TGGGAACACG TCTCCA-CCA AGACAGCGCT CAGGACTGGT

  1081' TCTCCTCGTG GCTCCCAATT CAGTCCANGG AGAAGCAGAG ATTTTGTCCC CATGGTGGGT
        ********** ********** ******* ** ********** ********** **********
   256" TCTCCTCGTG GCTCCCAATT CAGTCCA-GG AGAAGCAGAG ATTTTGTCCC CATGGTGGGT

  1141' CATCTGAAGA AGGCACCCNC TGGTCAGGGC AGGCTTCTCA GACCCTGAGG CGCTGGCCAT
        ********** ******** * ********** ********** ********** *** ******
   315" CATCTGAAGA AGGCACCC-C TGGTCAGGGC AGGCTTCTCA GACCCTGAGG CGCCGGCCAT

  1201' GGCCCCACTN GAGACACAGG AAGGGCCGCG CCAGAGCACT GAAGACGCTT GGGGAAGGGA
        *********  ********** ********** ********** ********** **********
   374" GGCCCCACT- GAGACACAGG AAGGGCCGCG CCAGAGCACT GAAGACGCTT GGGGAAGGGA
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1261’ NACCCACCTG GGACCCAGCC CCTGGTGGCT GCGGCTGCAT CCCAGGTGGG CNCCCCTCCC
       ********* ********** ********** ********** ********** * ********
  433″ -ACCCACCTG GGACCCAGCC CCTGGTGGCT GCGGCTGCAT CCCAGGTGGG C-CCCCTCCC

1321’ CGAGGCTCTT CAAGGCTCAA AGAGAAGCCA GTGTAGAAAA GCNAAACAGG TCAGGCCCGG
      ********** ********** ********** ********** ** ******* **********
  491″ CGAGGCTCTT CAAGGCTCAA AGAGAAGCCA GTGTAGAAAA GC-AAACAGG TCAGGCCCGG

1381’ GAGGCGCCCT TTGGACCTTT TGCAATCCTG GCGNCTCTTG CAGCCTGGGC TTCCTATAAA
      ********** ********** ********** *** ****** ********** **********
  550″ GAGGCGCCCT TTGGACCTTT TGCAATCCTG GCG-CTCTTG CAGCCTGGGC TTCCTATAAA

1441’ TGGGGTGCGG GCGCCGGCCG CGCANTTCCC ACCGGGACCT GCGGGGCTGA GTGCCCTTCT
      ********** ********** **** ***** ********** ********** **********
  609″ TGGGGTGCGG GCGCCGGCCG CGCA-TTCCC ACCGGGACCT GCGGGGCTGA GTGCCCTTCT

1501’ CGGTTATCAA GATCTGGCCT CGGCGGCCAA GCTTGGCAAT CCGGTACTGT TGGTAAAGCC
      ********** ********** ********** ********** ********** **********
  668″ CGGTTATCAA GATCTGGCCT CGGCGGCCAA GCTTGGCAAT CCGGTACTGT TGGTAAAGCC

1561’ ACCATGGAAG ATGCCAAAAA CATTAAGAAG GGCCCAGCGC CATTCTACCC ACTCGAAGAC
      ********** ********** ***
  728″ ACCATGGAAG ATGCCAAAAA CAT
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