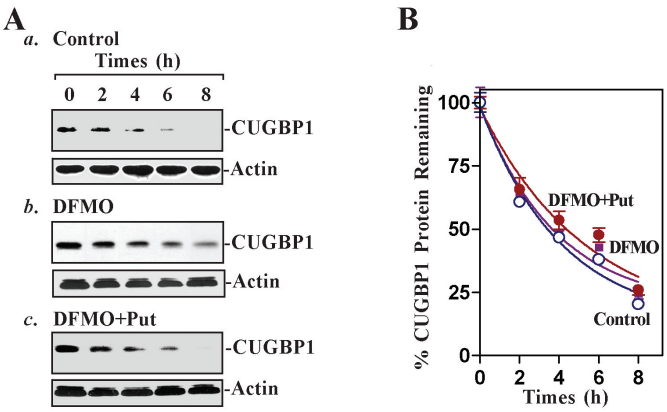
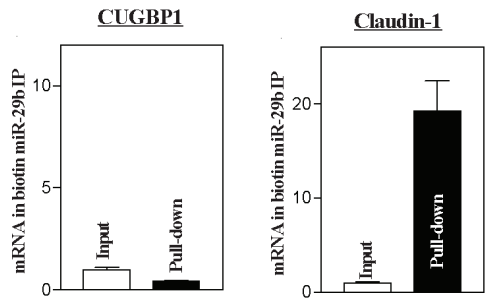
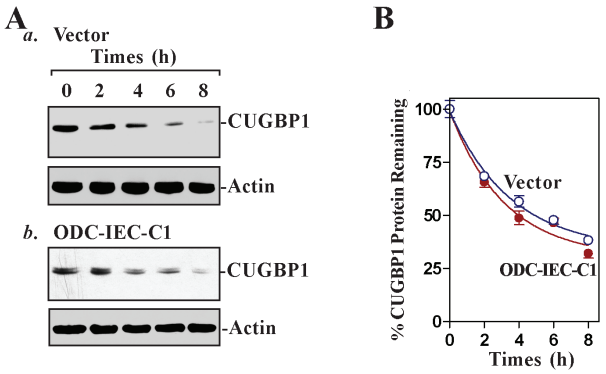
SUPPLEMENTAL FIGURE



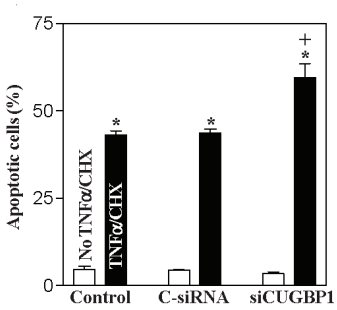
Supplemental Figure 1. Stability of CUBBP1 protein after polyamines depletion. (**A**) Assessment of half-life of CUGBP1 protein: ***a***) untreated control; ***b***) cells treated with DFMO for 4 days; and ***c***) cells exposed to DFMO plus putrescine (Put) for 4 days. After treatment with cycloheximide (50 μg/ml) for the times indicated, whole-cell lysates were harvested for Western blot analysis. (**B)** Quantitative analysis of the immunoblotting signals in panel **A**, as measured by densitometry. Values are means ± SE of data from three separate experiments; the relative levels of CUGBP1 were corrected for protein loading by measuring β-actin densitometric signals.



Supplemental Figure 2. Association of miR-29b with mRNAs of CUGBP1 and claudin-1. After cells were transfected with biotinylated miR-29b for 48 h, levels of CUGBP1 and claudin-1 mRNAs in the materials pulled down by biotin-miR-29b were measured by Q-PCR analysis. Values are means ± SE from three separate experiments. * P <0.05 compared with cells transfected with control scramble oligomer.



Supplemental Figure 3. Effect of increasing cellular polyamines on CUGBP1 protein stability. (**A**) Changes in the half-life of CUGBP1 protein: ***a***) vector alone; and ***b***) stable ODC-IEC cells. After incubation in the presence of cycloheximide IEC whole-cell lysates were harvested for Western blot analysis. (**B**): Quantitative analysis of the Western blotting signals in panel **A**. Values are means ± SE of data from three separate experiments.



Supplemental Figure 4. CUGBP1 silencing increases the susceptibility of IEC-6 cells to TNF-α/CHX-induced apoptosis. Cells were transfected with siRNA targeting CUGBP1 (siCUGBP1) or control-siRNA (C-siRNA); 48 h later, apoptosis was measured after 4 h of treatment with TNF-α/CHX. Values are means ± SE of data from 3 experiments. * $P <$ 0.05 compared with cells untreated with TNF-α/CHX; + $P < 0.05$ compared with cells transfected with C-siRNA and then exposed to TNF-α/CHX.

Supplemental Table 1: Primer Sequences for Generating Various Constructs

Name	Sequences
CUGBP1	GAGTACCATGGAAGCCCTCA ATGAACAAACGGCAGGAATC
CUGBP1 mRNA CR FL	GCTAG C CTGGACCACCCAGACCAAC CTCGA G CAGTAGGGCTTACTATCATTCTTCG
CUGBP1 mRNA 3'-UTR FL	GCTAG C TCCCCTCTGAGACTGGAGTG CTCGA G GCTGTCTTTAAAACGAAGCACA
CR-F1	GCTAG C ACCACCCAGACCAACCAGAT CTCGA G GAGGGGACTGCTGGATGTAG
CR-F2	GCTAG C CCAAGTGGTACCAATGCTCTC CTCGA G CAGATTCTGGTTGTACAGAGTAGGG
CR-F3	GCTAG C CCCTCCCTACTCTGTACAACCA CTCGA G GCAGTAAGTCCTGGTCTCCAA
MS2-CUGBP1(CR)	CTCGAG ACCACCCAGACCAACCAGAT CTCGAG ATTCTTCGAACGTTTGAGCTG