Supplemental Figure Legend

PKCθ protein and mRNA expressed in Huh-7 compared to Jurkat cells. A. Immunoblot for total PKCθ protein using whole cell extract from Jurkat or Huh-7 cells demonstrated a faster migrating polypeptide expressed in Huh-7 cells. B. Schematic diagram of the coding sequence (CDS) of PKCθ mRNA, indicating exons 2-18. The regulatory domain contains Thr\(^{538}\) and phosphorylation at this residue induces an activating conformational change. Antisera to total and phospho- Thr\(^{538}\) PKCθ detects this faster migrating polypeptide in Huh-7 cells (see Figures 6 and 7, in addition to Supplemental Figure 1A). Amplicons generated by long-distance PCR using primers in exons 2-15 or 2-18 are indicated with a dashed line. C. Long distance RT-PCR performed on total RNA from Huh-7 cells or Jurkat cells was electrophoretically separated on a 1% agarose gel and visualized by staining with ethidium bromide. The captured image was inverted to show dark bands on a lighter background for clarity.
Supplemental Figure

A

Immunoblot

Jurkat  Huh-7

75 kDa  

50  

PKC\(\theta\)

B

Regulatory Domain  Catalytic Domain

Exon:  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18

PKC\(\theta\)  cDNA  CDS  

Thr\(^{538}\)

RT-PCR products:

2-15  

2-18

C

Exons 2-15  RT-PCR  Exons 2-18

Marker  Huh-7  Jurkat

PKC\(\theta\)  

Marker  Huh-7  Jurkat

PKC\(\theta\)