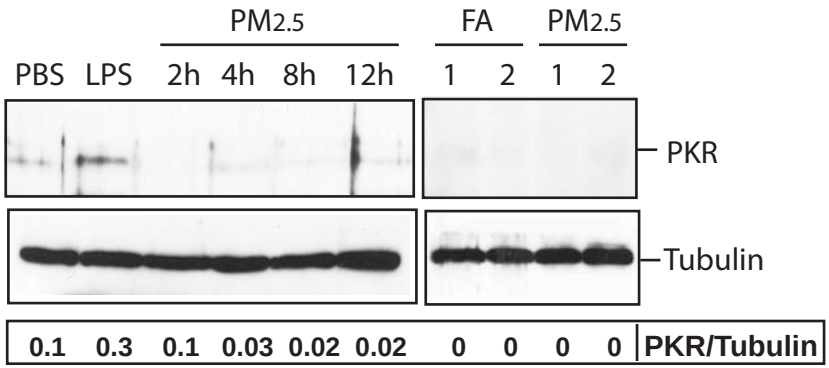

Figure legend:

RAW264.7 cells were treated with LPS (20 μg/ml) for 6 hours or $PM_{2.5}$ (300μg/ml) for various time intervals. After the treatments, cell lystates were collected for Western blot analysis with an anti-phosphorylated PKR antibody. The right panel is Western blot analysis for PKR phosphorylation with the liver tissues from mice exposed to $PM_{2.5}$ or FA for 10 weeks. Levels of α-tubulin proteins were determined as internal controls. The values below the gels represent the normalized protein signal intensities.

Supplemental figure 1

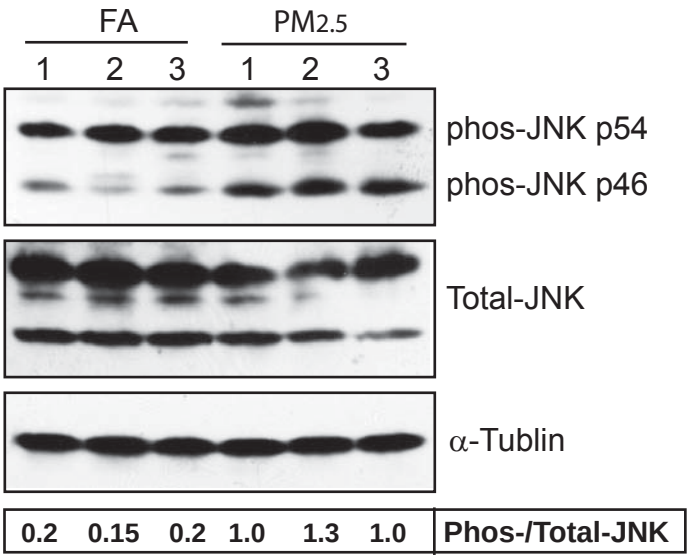

Figure legend:

Western blot analysis for expression levels of phosphorylated and total JNK proteins in the liver tissues of the mice exposed to FA or $PM_{2.5}$ for 10 weeks. Denatured liver protein lysates (80 μg per sample) are separated on a 10% Tris-glycine polyacrylamide gel. Levels of α-tubulin proteins were determined as internal controls. The values below the gels represent the ratios of phosphorylated to total JNK signals.

Supplemental figure 2

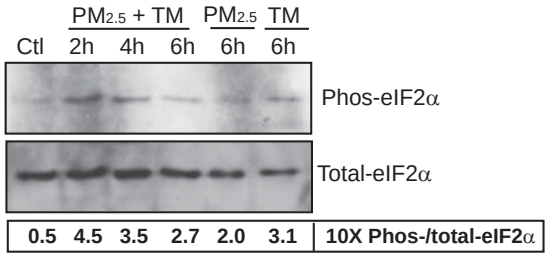

Figure legend:
Detection of phosphorylated and total eIF2α proteins in RAW264.7 cells exposed to $PM_{2.5}$ and/or TM by Western blot analysis. RAW264.7 cells were exposed to $PM_{2.5}$ (300 μg/ml) for 30 minutes, and then treated with TM (2 μg/ml) for the time course as indicated. RAW264.7 cells treated with vehicle PBS buffer or with TM for 6 hours were included as controls. Levels of α-tubulin protein were determined as internal controls. The values below the gels represent the ratios of phosphorylated to total eIF2α protein signal intensities

Supplemental figure 3