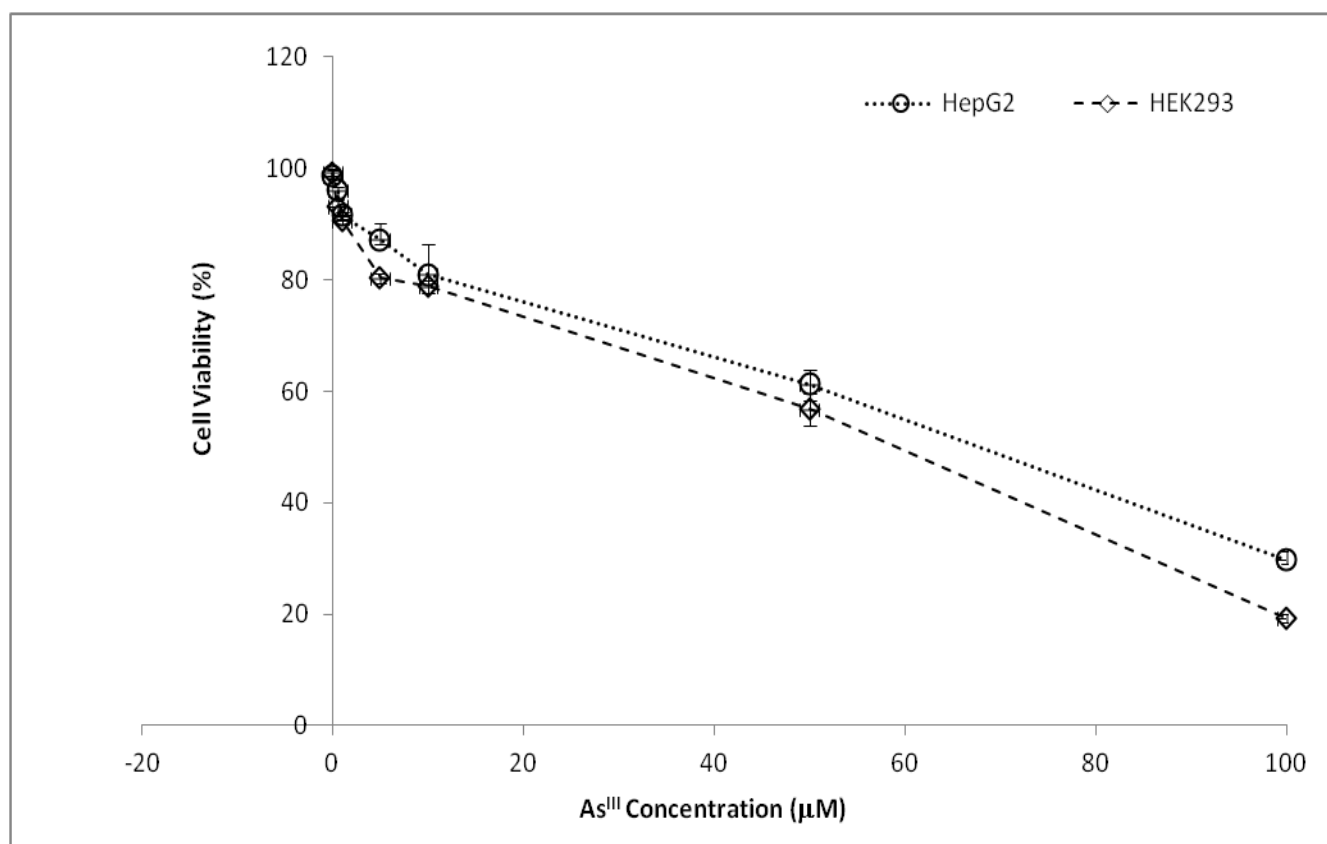


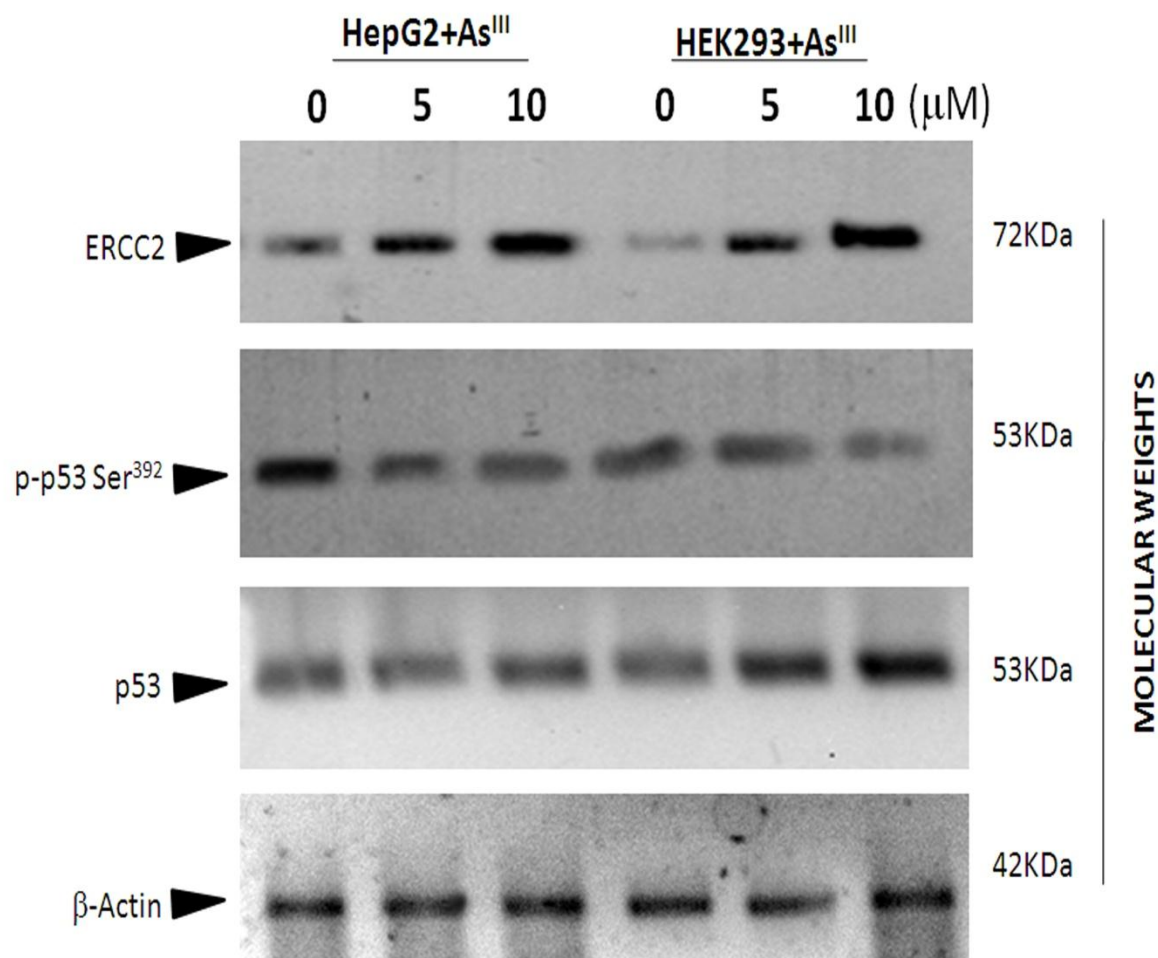
Supplementary Figures

Supplementary Figure 1



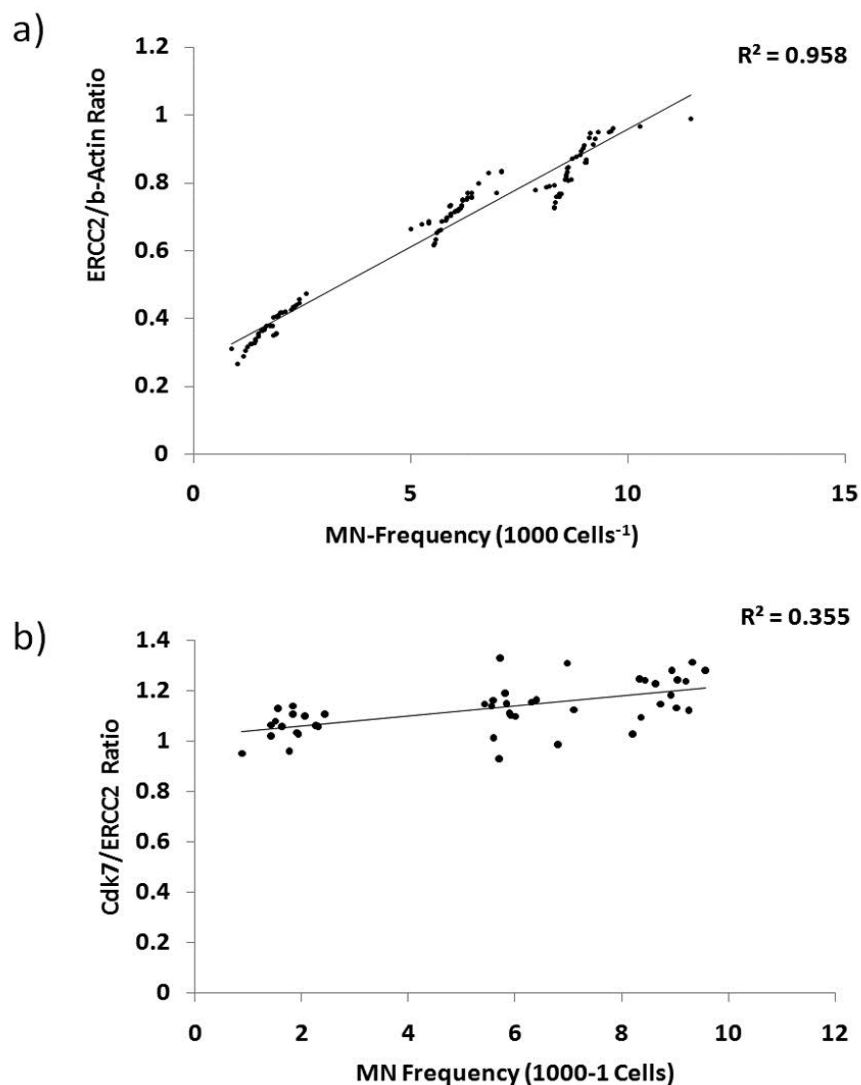
Supplementary Figure S1: Cell viability assay for HepG2 and HEK-293. It represents the mean viability percentage (Mean±SD) at different arsenic concentrations (0, 0.5, 1, 5, 10, 50 and 100 µM). We took a cut-off at 75% of cell viability for further experiments.

Supplementary Figure 2



Supplementary Figure S2: Representative figure of western blot analysis from *in vitro* assay for the degree of p53 Ser³⁹² phosphorylation along with the ERCC2 expression status, in an increased dose of arsenic (As^{III}). With an increase in ERCC2 expression, there is a decline in phosphorylation. This may be attributed due to decrease in cdk7-kinase activity, as overexpression of ERCC2 leads to impaired CAK activity by inhibiting it's release³².

Supplementary Figure S3:



Supplementary Figure S3: The regression association between micronuclei frequency (MN Frequency) with a) degree of ERCC2 expression and b) degree of Cdk7/ERCC2 association.