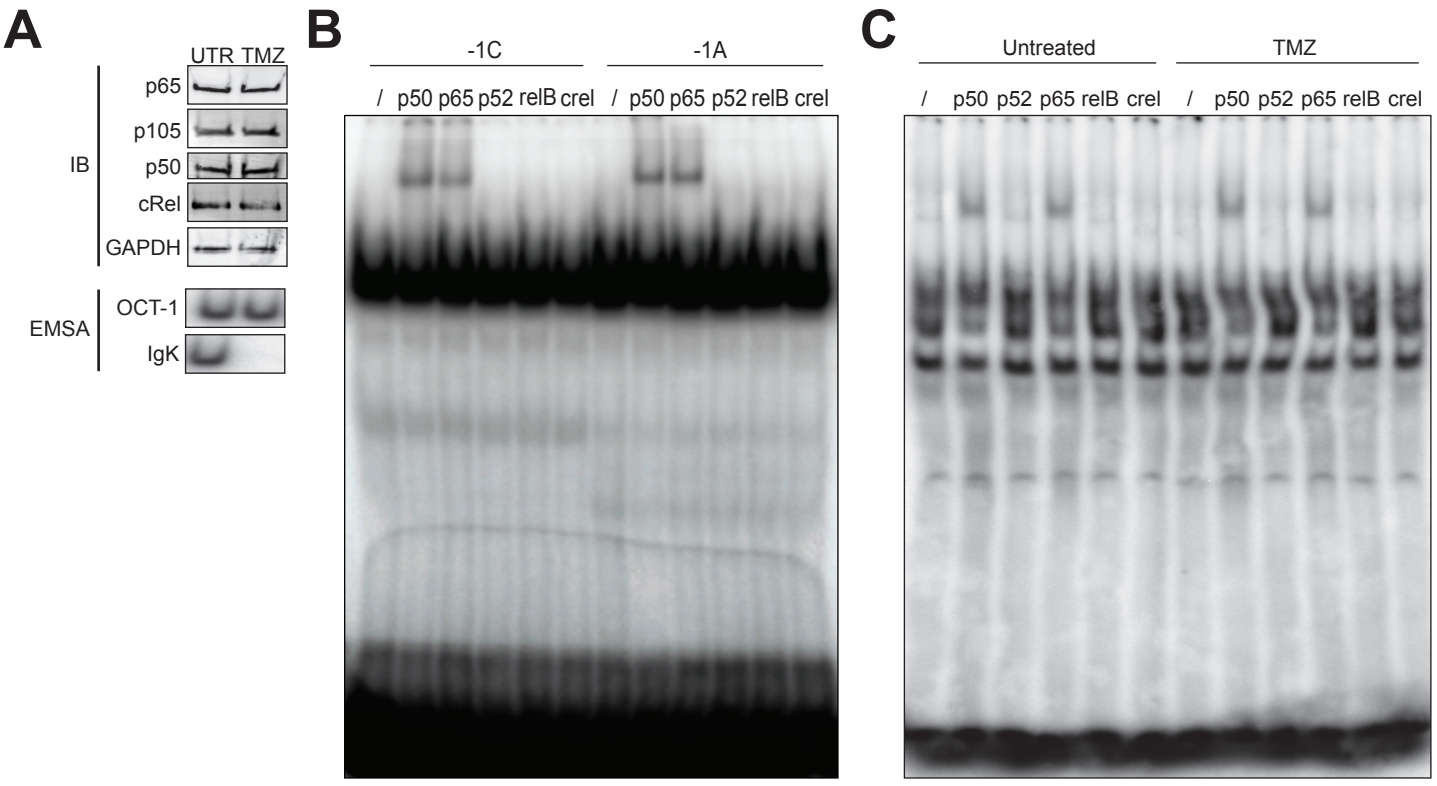
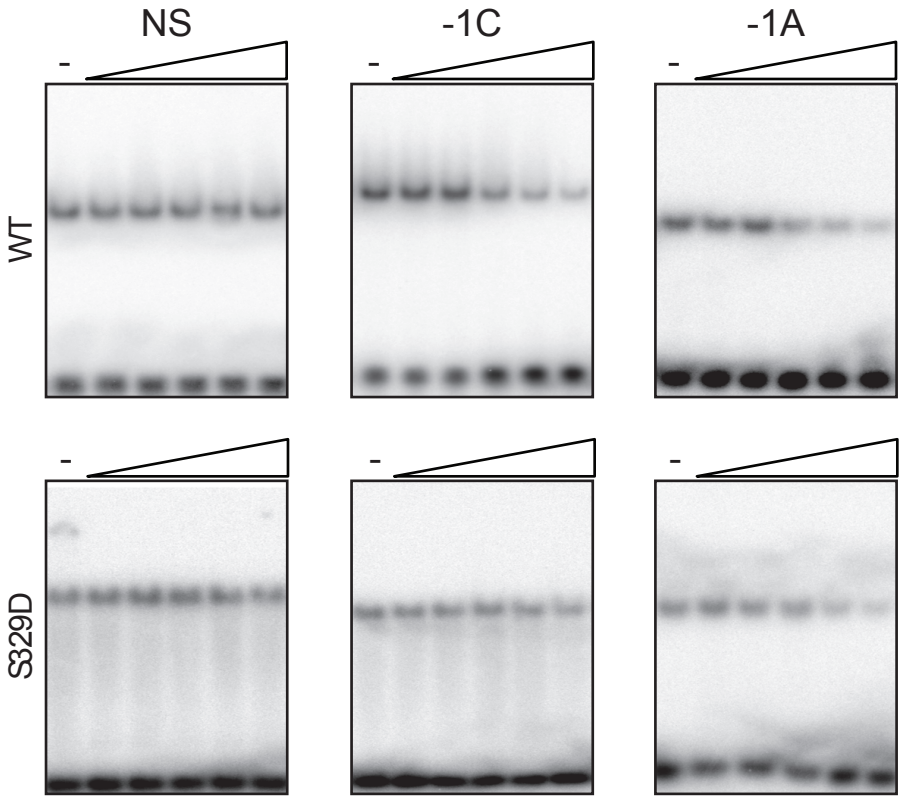


D

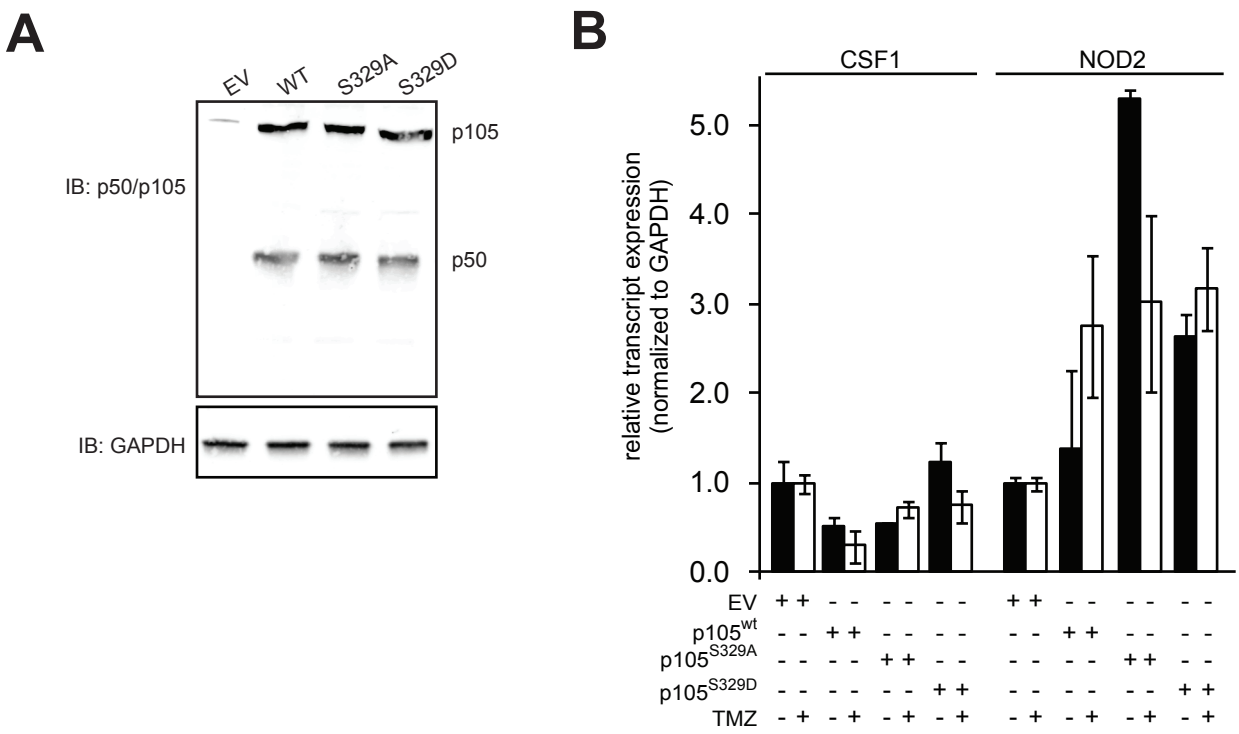
	Murine κB-site									
Bcl-xL	G	G	G	A	C	T	T	C	C	A
Fas	G	G	G	A	A	T	G	C	C	C
	G	G	G	T	T	T	C	C	C	C
*COX2	G	G	G	G	A	T	T	C	C	C
NOD2	G	G	G	A	A	T	T	T	C	C
CSF1	G	G	G	A	C	T	T	T	C	C
Gadd45β	G	G	G	A	C	T	C	T	C	C
	G	G	G	G	A	T	T	C	C	A
IκBα	G	G	A	A	A	T	T	C	C	C
	G	G	G	G	A	A	G	T	C	C

Supplementary Figure 1. (A) U87 nuclear extracts, treated with 100 μM TMZ or vehicle for 16 hours, were examined by immunoblot (IB) for the indicated NF-κB subunit and by EMSA for OCT-1 binding. Competition studies were used to demonstrate the specificity of the indicated band on EMSA (data not shown). (B and C) NF-κB EMSAs with the indicated probe in U87 cells. Supershift was performed with the antibodies shown. (B) Probes used include: GGGACTTTCC (-1C) or GGGAATTTCC (-1A) probe. (C) -1A probe was used following treatment with vehicle or 100 μM TMZ. (D) Murine κB-sites. * Cox2 promoter κB-site.

Supplemental Figure 1



Supplementary Figure 2. Representative EMSA gels from competition assays using purified $p50^{wt}$ (upper) or $p50^{S329D}$ (lower). Radio-labeled -1A probe was used and increasing concentrations of unlabelled non-specific DNA (NS), -1C or -1A competitor DNA was added as described in methods.



Supplementary Figure 3. Differential expression of CSF1 and NOD2 following DNA damage. (A) Immunoblot of $p105^{-/-}$ MEF cells transiently transfected with empty vector (EV), $p105^{wt}$, $p105^{S329A}$, or $p105^{S329D}$. (B) qPCR analysis of CSF1 and NOD2 mRNA expression in $p105^{-/-}$ MEFs expressing empty vector (EV), $p105^{wt}$, $p105^{S329A}$, or $p105^{S329D}$ following 16 hour treatment with 100 μM TMZ (white bars) or vehicle (black bars). Data show mean values normalized to control ± SEM of triplicate samples from three experiments.

Supplementary Table 1. Sequence of κB-site probes used for EMSA.

κB-site	**Sense Oligonucleotide Sequence**
p50 half-site variants	GGGRNTTTCC
p65 half-site variants	GGGA(A/C)TYYCC
-1A κB-site	GGGAATTTCC
-1C κB-site	GGGACTTTCC
IgK	GGGACTTTCC
NOD2	GGGAATTTCC
Bax	GGGAATTCCA
IFN	GGGAAATTCC
TNF	GGGGCTTTCC
H2B	GGGGATTCCC
Bcl-xL	GGGACTGCCC
Fas	GGGAATGCCC
TAP1/LMP2	GGGACTTTCC
CSF1	GGGACTTTCC
IκBα	GGAAATTCCC
Human Cox2	GGGACTACCC
Mouse Cox2 promoter κB-site	GGGGATTCCC
Mouse Cox2 intronic κB-site	GGGACTCCTC