SUPPLEMENTAL MATERIAL

Kong et al., http://www.jem.org/cgi/content/full/jem.20160459/DC1

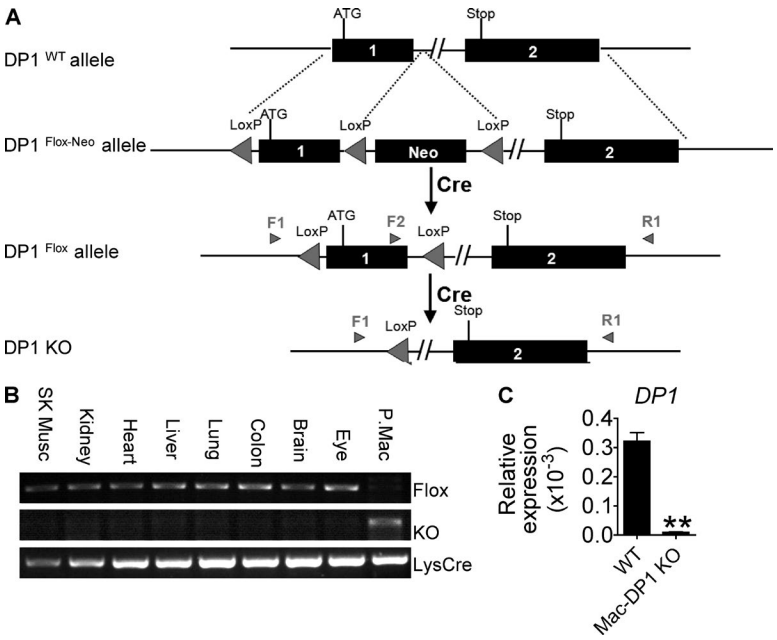

Figure S1. **Generation and characterization of myeloid cell–specific DP1-deficient mice.** (A) Schematic of the intact DP1^{WT}, DP1$^{flox\text{-}neo}$ allele, DP-1^{flox} allele, and DP1 KO allele. Fixed boxes indicate coding exons; dashed lines represent regions for homologous recombination; gray triangles indicate primers for genotyping. neo, neomycin cassette. (B) PCR analysis on genomic DNA derived from various organs of DP1$^{flox/flox}$Lys^{Cre} mice (Mac-DP1 KO). P.mac, peritoneal macrophage; SK Musc, skeletal muscle. (C) *DP1* mRNA levels in macrophages from DP1$^{flox/flox}$Lys^{Cre} (Mac-DP1 KO) and DP1$^{flox/flox}$ (WT) mice. **, P < 0.01 versus WT. n = 6. Data are presented as mean ± SEM. Statistical analysis was performed using unpaired Student's t tests. The PCR analysis was repeated three times.

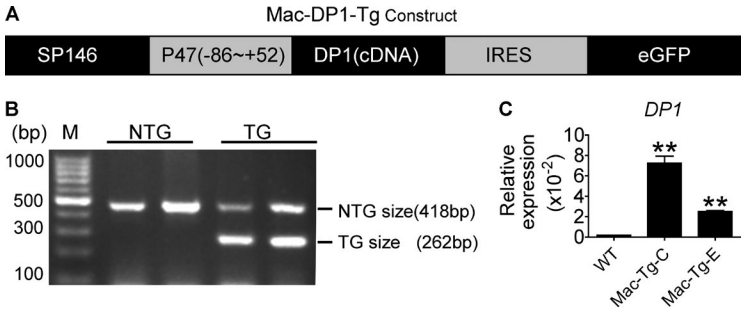

Figure S2. **Generation of Mac-DP1-Tg mice.** (A) Mac-DP1-Tg construct. SP146: Synthetic promoter elements of clone 146;p47:138 bp of the p47phox promoter was used as the minipromoter for promoter synthesis and as a comparator for promoter selection. eGFP, enhanced GFP; IRES, internal ribosomal entry site. (B) Genotyping of Mac-DP1-Tg mice. M, marker; NTG, nontransgenic mice. (C) *DP1* expression levels in macrophages from Mac-DP1-Tg mice. **, P < 0.01 versus WT. n = 4–6. Data are presented as mean ± SEM. Statistical analysis was performed using unpaired Student's t tests. The PCR analysis was repeated three times.

Table S1. **Primers for RT-PCR analysis in mice**

Gene	Sense (5′-3′)	Anti-sense (5′-3′)
COX-1	GATTGTACTCGCACGGGCTAC	GGATAAGGTTGGACCGCACT
COX-2	TGTGACTGTACCCGGACTGG	TGCACATTGTAAGTAGGTGGAC
H-PGDS	GGAAGAGCCGAAATTATTCGCT	ACCACTGCATCAGCTTGACAT
L-PGDS	TGCAGCCCAACTTTCAACAAG	TGGTCTCACACTGGTTTTTCCT
DP1	AACCTCTATGACATGCACAGGCG	AAGGCTTGGAGGTCTTCTGAGTC
DP2	TCTCAACCAATCAGCACACCCGA	GATGTAGCGGAGGCTAGAGTTGC
IL-1β	AGCTCTCCACCTCAATGGAC	GACAGGCTTGTGCTCTGCTT
IL-12β	TGGTTTGCCATCGTTTTGCTG	ACAGGTGAGGTTCACTGTTTCT
TNFα	ACGGCATGGATCTCAAAGAC	CGGACTCCGCAAAGTCTAAG
MCP1	TTAAAAACCTGGATCGGAACCAA	GCATTAGCTTCAGATTTACGGGT
NOS2	ACATCGACCCGTCCACAGTAT	CAGAGGGGTAGGCTTGTCTC
YM1	CAGGTCTGGCAATTCTTCTGAA	GTCTTGCTCATGTGTGTAAGTGA
Arg1	CTCCAAGCCAAAGTCCTTAGAG	AGGAGCTGTCATTAGGGACATC
MRC1	CTCTGTTCAGCTATTGGACGC	CGGAATTTCTGGGATTCAGCTTC
Dectin	GACTTCAGCACTCAAGACATCC	TTGTGTCGCCAAAATGCTAGG
Prkar1a	ATGGCGTCTGGCAGTATGG	GCTGCACGATGGAGTCCTTC
Prkar1b	TCTGAAAGGATGCGAGATGTACG	CTGGGAGTTTGACTTCTGCCG
Prkar2a	GAGGAGGATAACGATCCAAGGG	TGCTCGTCAGTTTTGACAATCTT
Prkar2b	CCAGTAAGGGTGTCAACTTCG	GGACTCTGCATCGTCTTCCTC
L32	TTAAGCGAAACTGGCGGAAAC	TTGTTGCTCCCATAACCGATG
GAPDH	CCCTTATTGACCTCAACTACATGGT	GAGGGGCCATCCACAGTCTTCTG

L-PGDS, *lipocalin PGDS*.