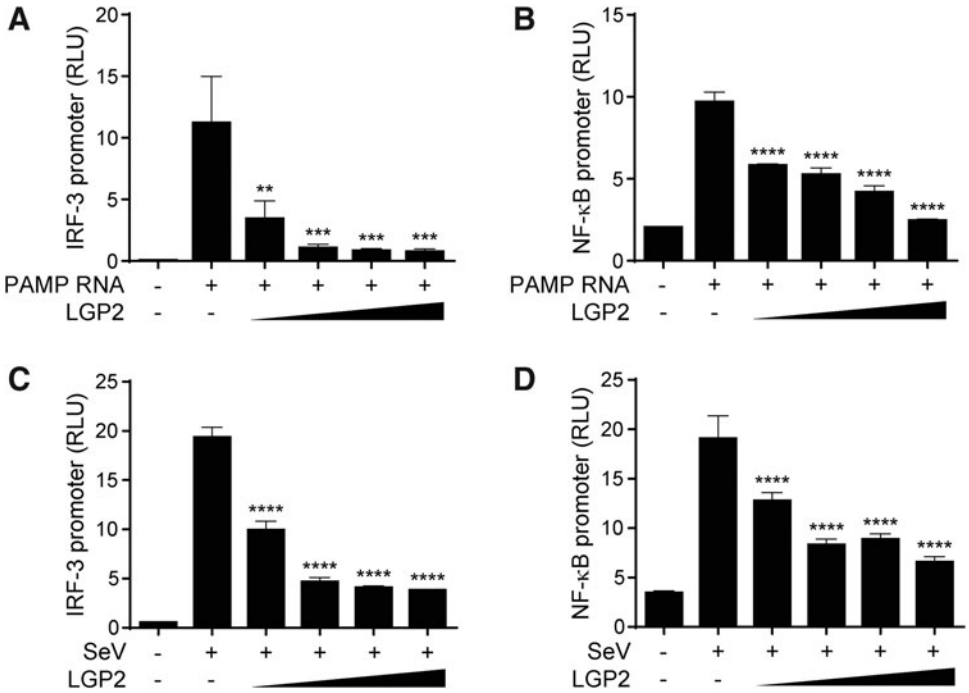
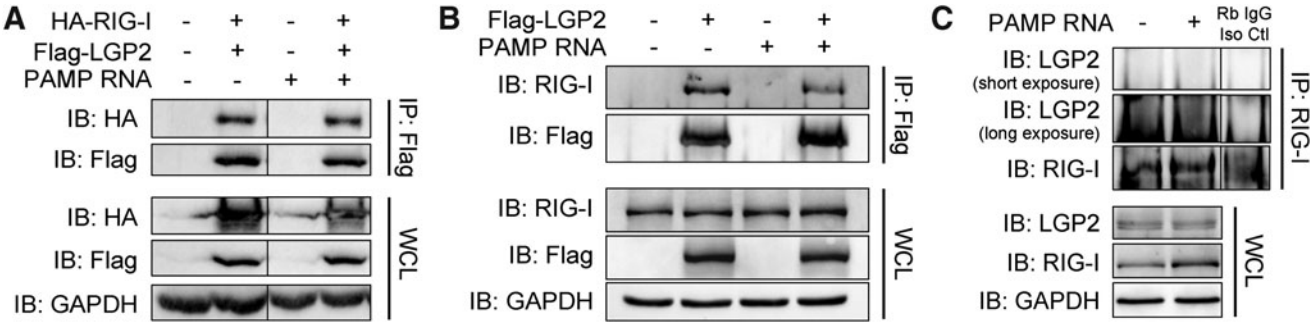
Supplementary Data



SUPPLEMENTARY FIG. S1. LGP2 negatively regulates both IRF-3 and NF-κB promoter activities. **(A, B)** HEK293 cells were transfected with 50 ng either IRF-3 promoter luciferase **(A)** or NF-κB promoter luciferase **(B)**, 20 ng CMV promoter Renilla, and increasing doses of LGP2 plasmid (10, 50, 100, and 200 ng) and treated with 100 ng PAMP RNA. Data shown are average RLU of biological triplicates ± SD analyzed by Dunnett's test with comparisons made to PAMP RNA-treated vector control (LGP2 −), $P < 0.05$. **(C, D)** HEK293 cells were transfected with 50 ng either IRF-3 promoter luciferase **(C)** or NF-κB promoter luciferase **(D)**, 20 ng CMV promoter Renilla, and increasing doses of LGP2 plasmid (800 pg, 4 ng, 20 ng, and 100 ng) and infected with 50HA SeV. Data shown are average RLU of biological triplicates ± SD analyzed by Dunnett's test with comparisons made to SeV-infected vector control (LGP2 −), $P < 0.05$. $^{**}P < 0.01$; $^{***}P < 0.001$; $^{****}P < 0.0001$. PAMP, pathogen associated molecular pattern; RLU, relative luciferase units.



SUPPLEMENTARY FIG. S2. LGP2 interacts with RIG-I when coexpressed, but not at the endogenous level. **(A)** HEK293 cells were transfected with HA-RIG-I and Flag-LGP2 and treated with 100 ng PAMP RNA. IP was performed for Flag-LGP2. IB was performed for indicated proteins. Noncontiguous panels are from the same blot. WCL, whole cell lysate (input control). **(B)** HEK293 cells were transfected with Flag-LGP2 and treated with 100 ng PAMP RNA. IP was performed for Flag-LGP2. IB was performed for indicated proteins. **(C)** HEK293 cells were transfected with 100 ng PAMP RNA. IP was performed for endogenous RIG-I using Protein G beads conjugated to an anti-RIG-I antibody or rabbit IgG isotype control antibody (Rb IgG Iso Ctl). IB was performed for indicated proteins. Noncontiguous panels are from the same blot. RIG-I, retinoic acid-inducible gene I; IB, immunoblot; IP, immunoprecipitation.