

ORIGINAL RESEARCH ARTICLE

TDP43 negatively regulates TBK1-mediated IFN1 production through IRF7 pathway in neurodegenerative diseases

Raw Image File

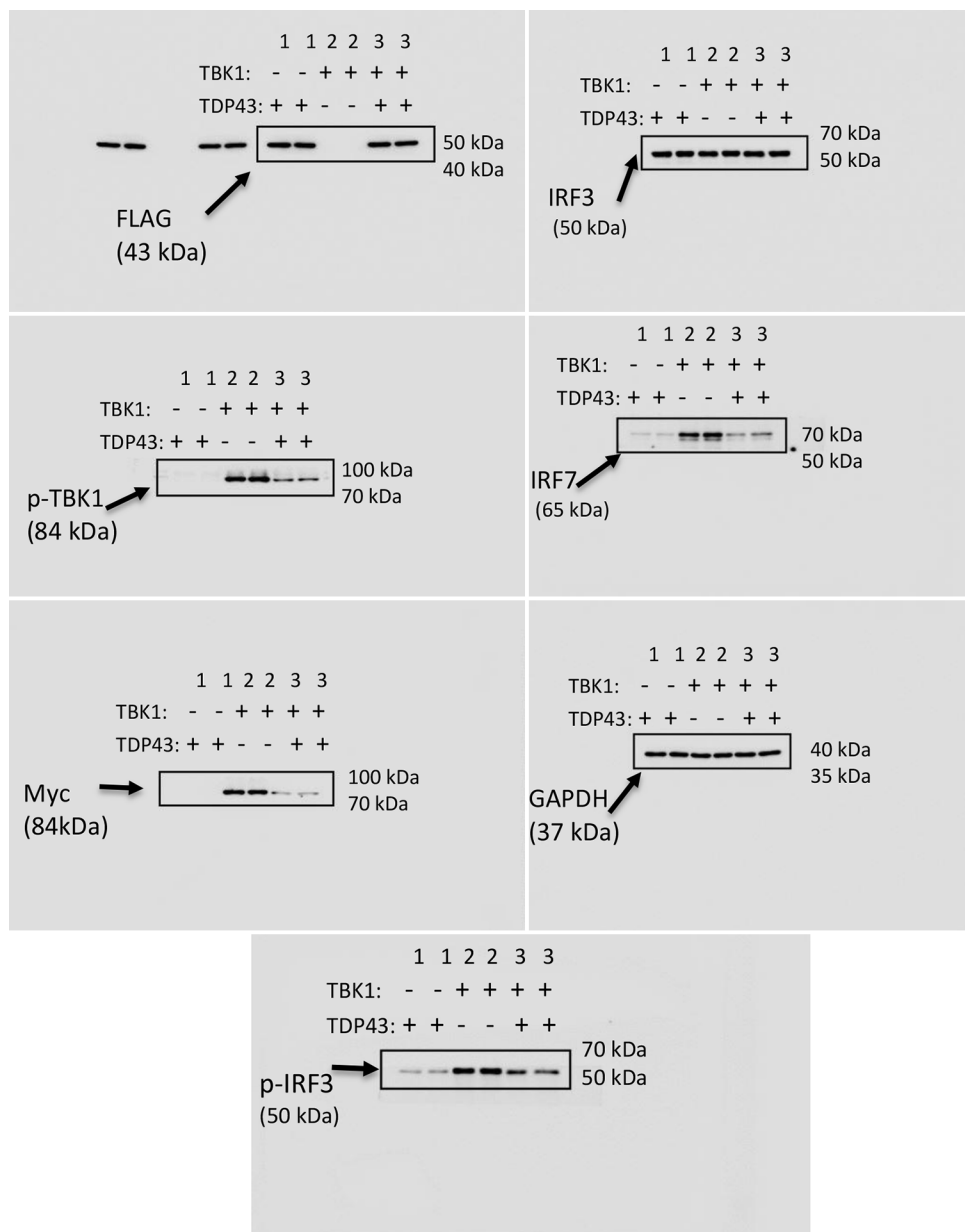


Figure S1. Original immunoblot images for FLAG, IRF3, p-TBK1, IRF7, Myc, GAPDH, and p-IRF3, as shown in Figure 2A. The immunoblotting was performed for FLAG (43 kDa), IRF3 (50 kDa), p-TBK1 (84 kDa), IRF7 (65 kDa), Myc (84 kDa), GAPDH (37 kDa), and p-IRF3 (50 kDa). Abbreviations: IRF: Interferon regulatory factor; p-TBK1: Phosphorylated-TANK-binding kinase 1.

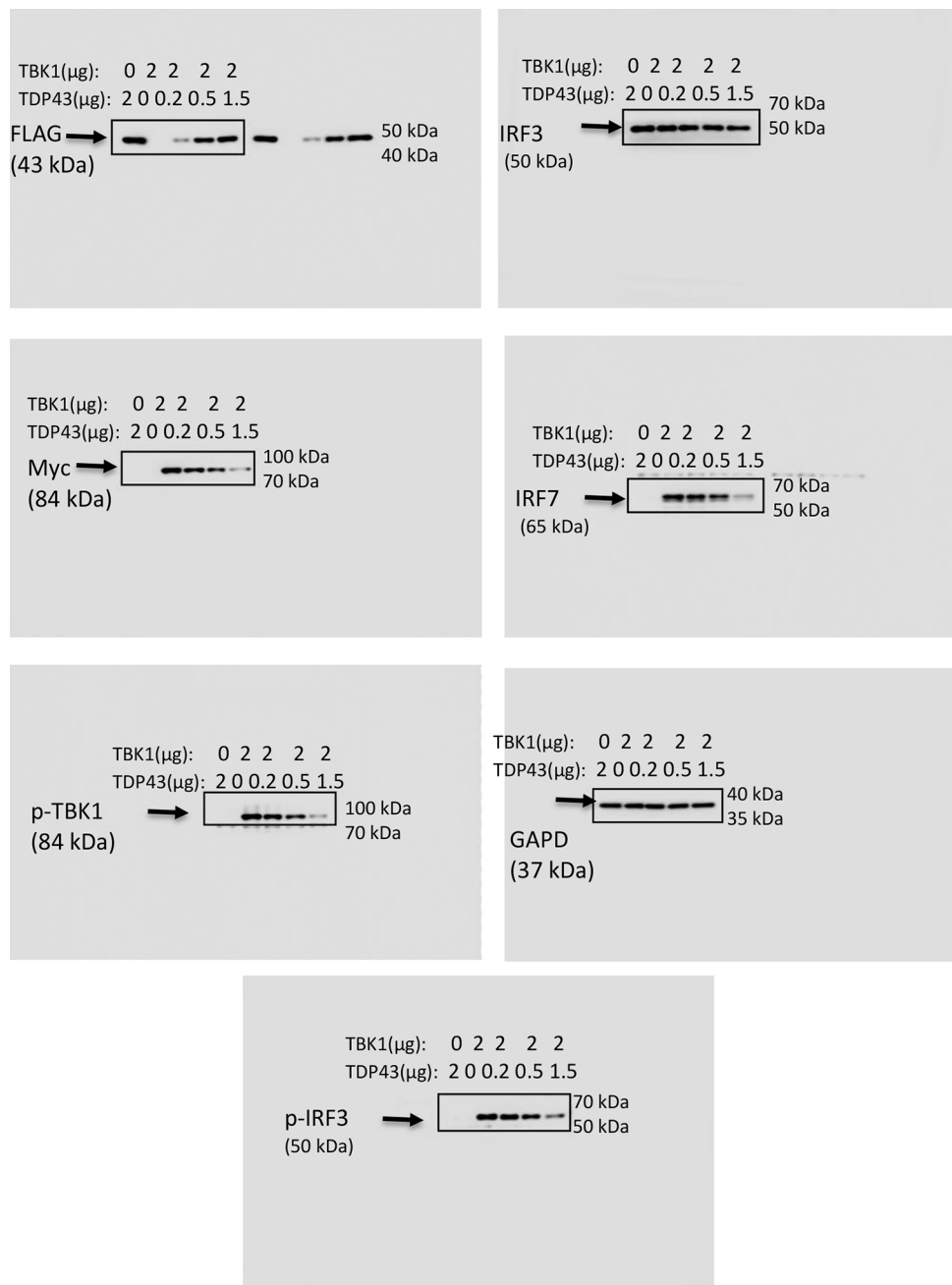


Figure S2. Original immunoblot images for FLAG, IRF3, Myc, IRF7, p-TBK1, GAPDH, and p-IRF3, as shown in Figure 2C. The immunoblotting was performed for FLAG (43 kDa), IRF3 (50 kDa), Myc (84 kDa), IRF7 (65 kDa), p-TBK1 (84 kDa), GAPDH (37 kDa), and p-IRF3(50 kDa). Abbreviations: IRF: Interferon regulatory factor; p-TBK1: Phosphorylated-TANK-binding kinase 1.

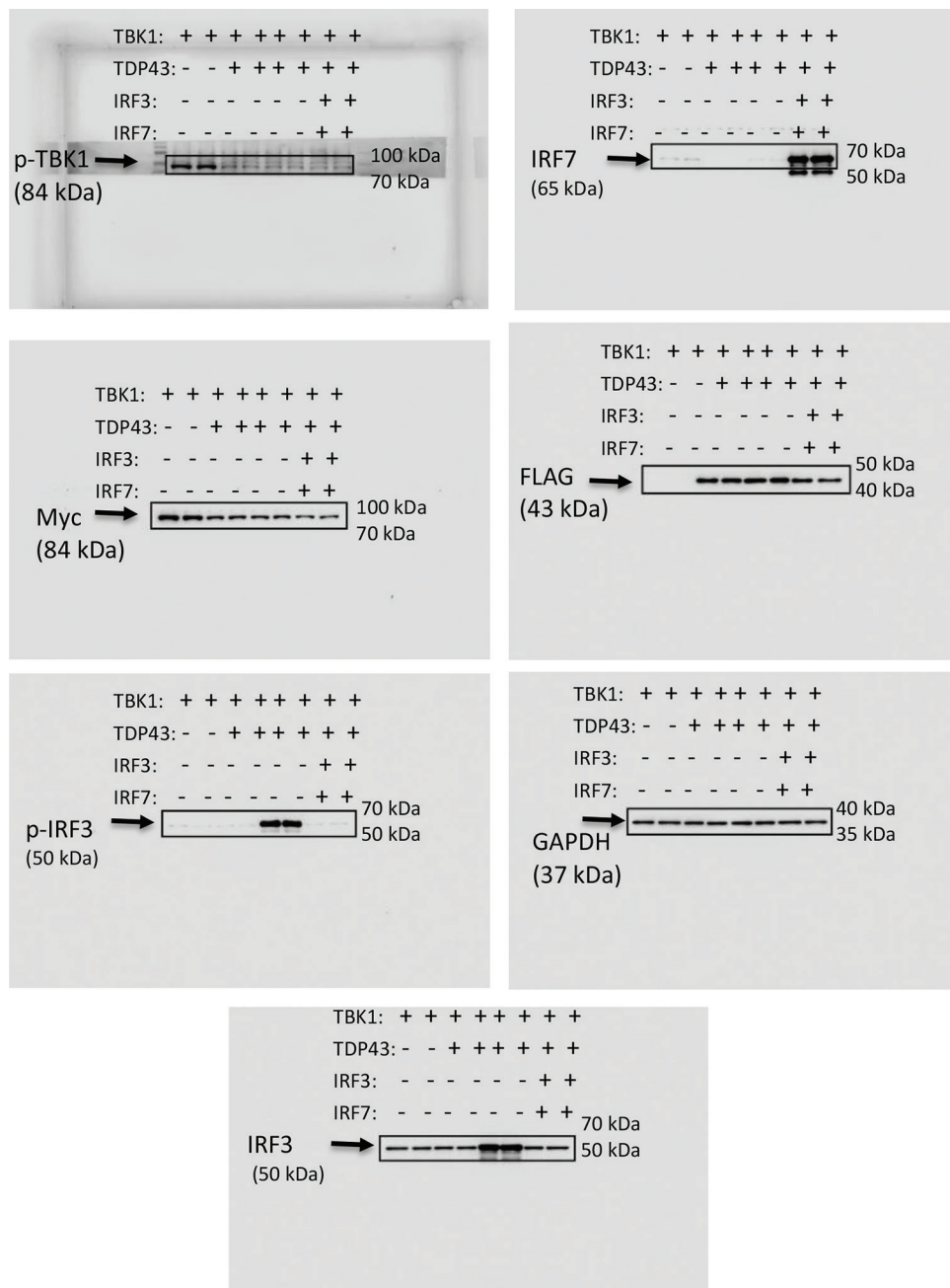


Figure S3. Original immunoblot images for p-TBK1, IRF7, IRF3, p-IRF3, Myc, FLAG, and GAPDH, as shown in Figure 3B. The immunoblotting was performed for p-TBK1 (84 kDa), IRF7 (65 kDa), IRF3 (50 kDa), p-IRF3 (50 kDa), Myc (84 kDa), FLAG (43 kDa), and GAPDH (37 kDa). Abbreviations: IRF: Interferon regulatory factor; p-TBK1: Phosphorylated-TANK-binding kinase 1.

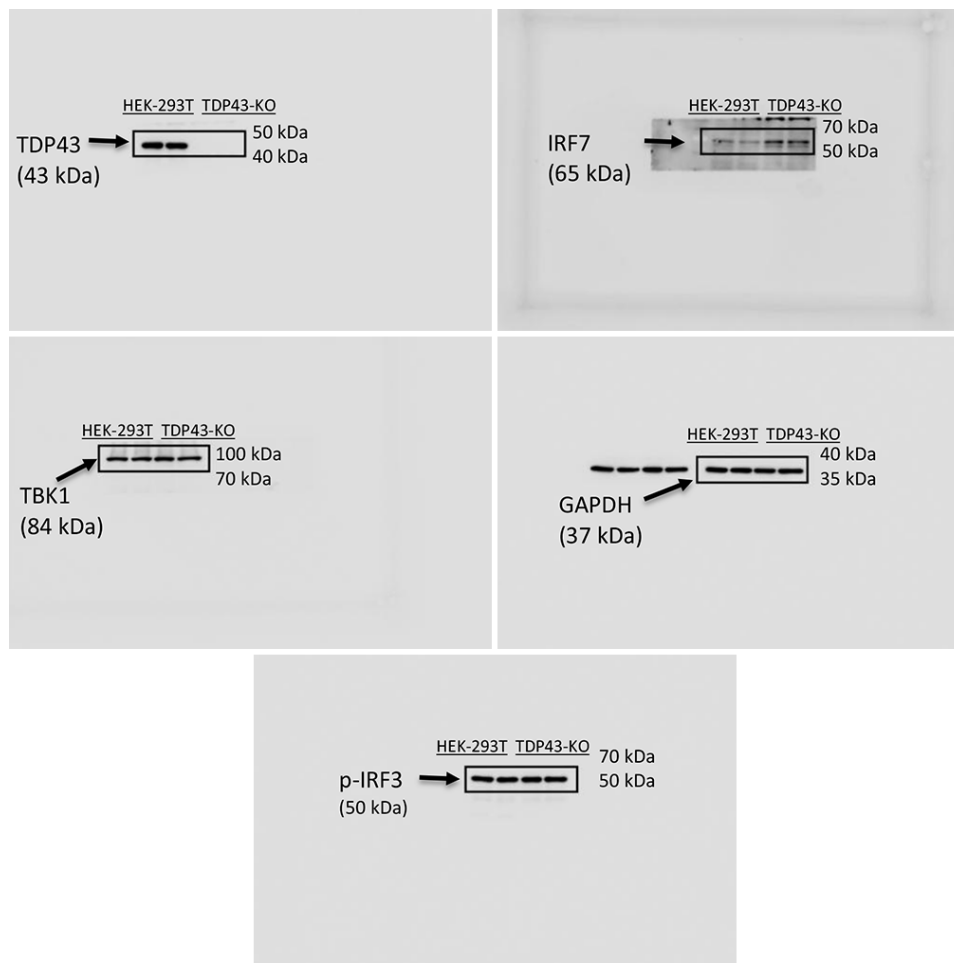


Figure S4. Original immunoblot images for TDP43, TBK1, IRF7, IRF3, and GAPDH, as shown in Figure 4A. The immunoblotting was performed for TDP43 (43 kDa), TBK1 (84 kDa), IRF7 (65 kDa), IRF3 (50 kDa), and GAPDH (37 kDa).
 Abbreviations: IRF: Interferon regulatory factor; p-TBK1: Phosphorylated-TANK-binding kinase 1; TDP: TAR DNA-binding protein.

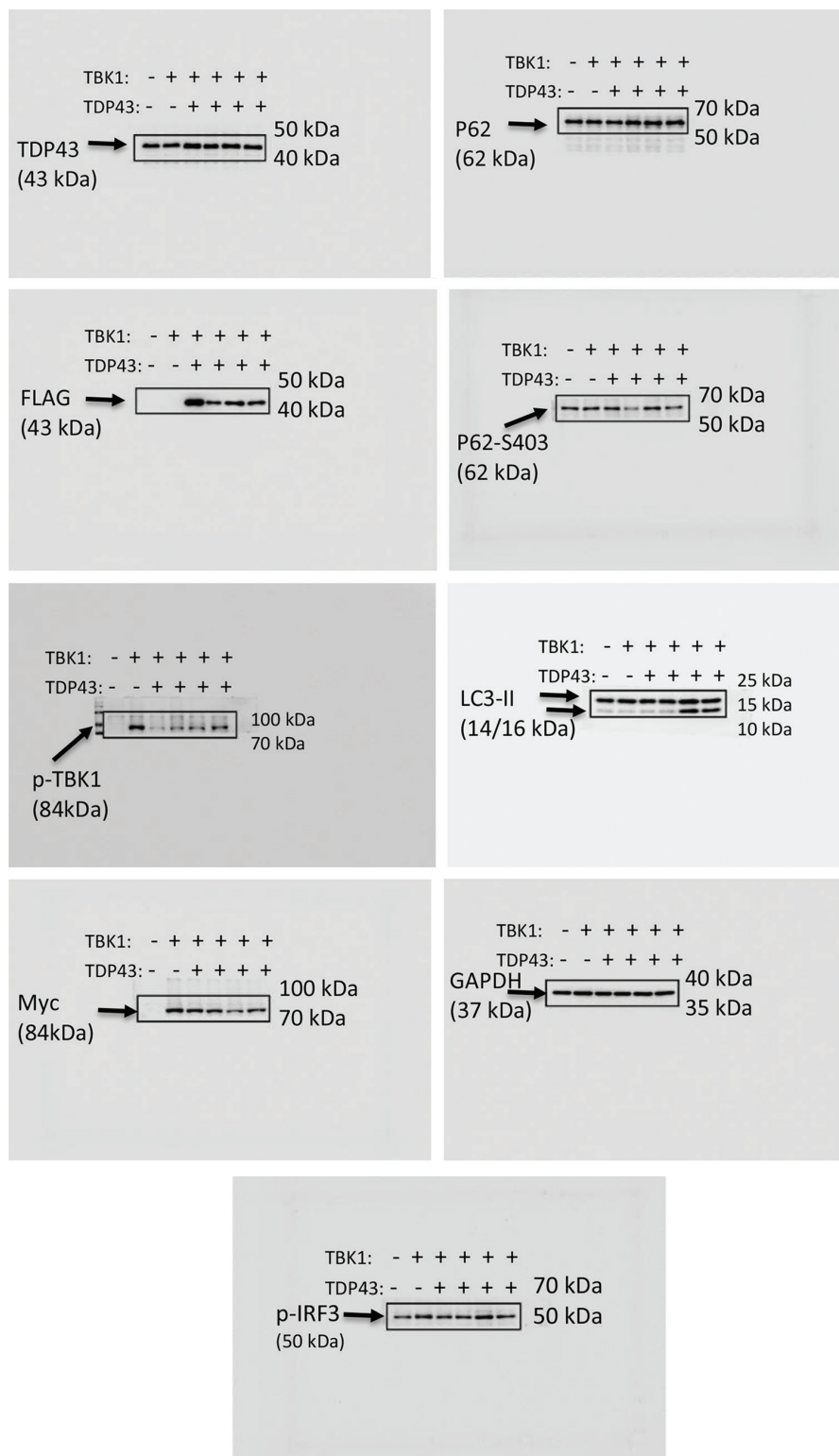


Figure S5. Original immunoblot images for TDP43, P62, Flag, P62-S403, P-TBK1, LC3-II, Myc, GAPDH, and p-IRF3, as shown in Figure 5A. The immunoblotting was performed for TDP43 (43 kDa), P62 (62 kDa), FLAG (43 kDa), P62-S403 (62 kDa), p-TBK1 (84 kDa), LC3-II (14/16 kDa), Myc (84 kDa), GAPDH (37 kDa), and p-IRF3 (50 kDa).

Abbreviations: IRF: Interferon regulatory factor; p-TBK1: Phosphorylated-TANK-binding kinase 1; TDP: TAR DNA-binding protein.