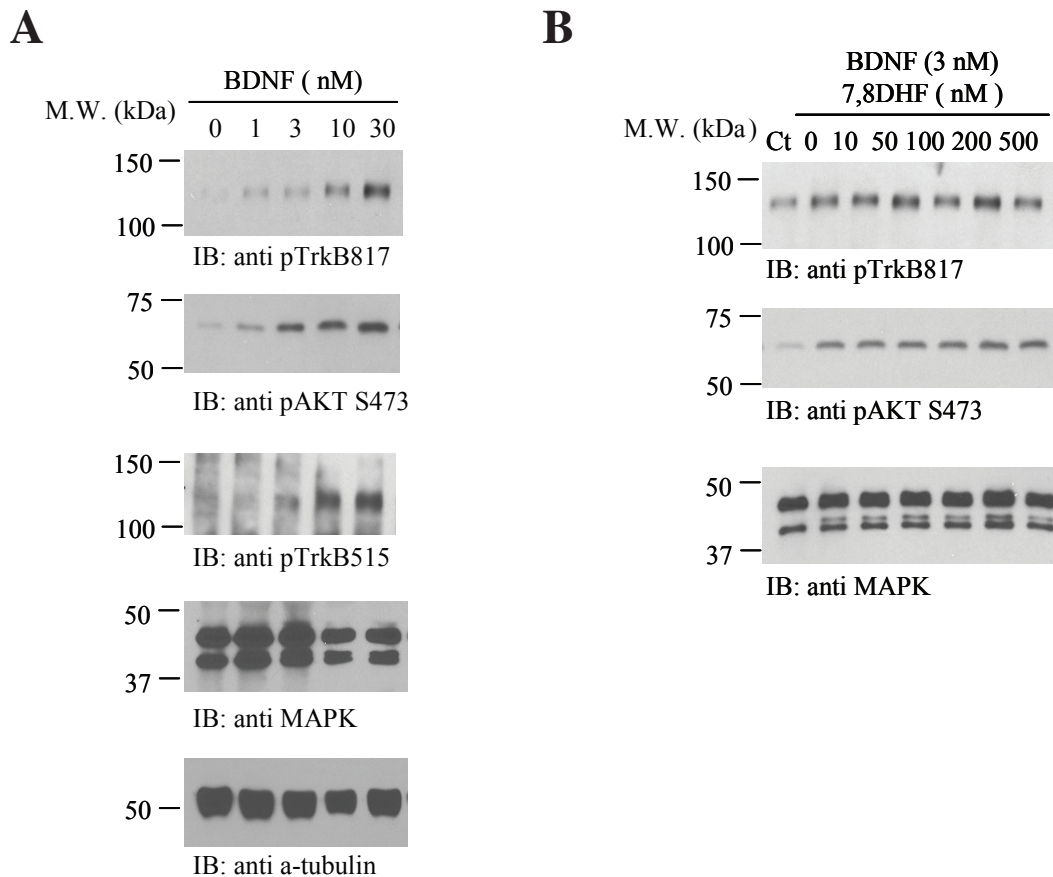


Supplemental Figure 2



Supplemental Figure 2. 7,8-DHF synergistically elevates TrkB activation by BDNF.

A. BDNF activate TrkB in a dose dependent manner. Primary cultures of cortical neurons (DIV7) were treated with different doses of BDNF 15 min, and TrkB phosphorylation was monitored by anti-p-TrkB 817 and p-TrkB 515 (top and 3rd panels). P-Akt and was also activated (2nd panel). MAPK and a-Tubulin were employed as lading control (4th and bottom panels). B. Primary neurons were treated with BDNF (3 nM) in the presence of various doses of 7,8-DHF for 15 min. The neuronal lysates were analyzed by immunoblotting with anti-p-TrkB 817 and p-Akt antibodies. MAPK was monitored as loading control (bottom panel).