**Supplemental Figure 1.** AdipoR2 (1:875) staining is absent when the antibody is pre-absorbed with the AdipoR2 blocking peptide (20µg/ml). A-B *In vivo* images from the same area of the cortex that were stained with AdipoR2 (A) versus antibody pre-absorbed with blocking peptide (B). C-D) Staining of GnRH cells in explants (7 div) with AdipoR2 (C) and AdipoR2+blocking peptide (D). *Scale bars*, 100 µm (panels A and B), 10 µm (panels C and D).