

Supporting information for Papasozomenos and Shanavas (January 22, 2001) *Proc. Natl. Acad. Sci. USA*, 10.1073/pnas.032646799.

Table 3. Quantitative immunoblot analysis of the relative total amounts of GSK-3 β , Cdk-5, and JNK in forebrain extracts from the five gonadal hormone treated-groups

¹²⁵I-labeled protein A, cpm \times 10⁻³/50 μ g of extract protein

Gonadal hormone treatment	GSK-3 β *	Cdk-5 [†]	JNK [‡]
Sham-OVX + SO	16.7 \pm 1.8 (<i>n</i> = 15)	1.2 \pm 0.2 (<i>n</i> = 14)	1.1 \pm 0.1 (<i>n</i> = 15)
OVX + SO	16.2 \pm 0.9 (<i>n</i> = 14)	1.2 \pm 0.2 (<i>n</i> = 13)	1.0 \pm 0.1 (<i>n</i> = 14)
OVX + EB	15.6 \pm 1.6 (<i>n</i> = 15)	1.1 \pm 0.2 (<i>n</i> = 15)	1.1 \pm 0.1 (<i>n</i> = 15)
OVX + TP	15.2 \pm 1.3 (<i>n</i> = 15)	1.0 \pm 0.2 (<i>n</i> = 15)	1.2 \pm 0.2 (<i>n</i> = 14)
OVX + (EB + TP)	15.7 \pm 1.2 (<i>n</i> = 15)	1.1 \pm 0.1 (<i>n</i> = 15)	1.1 \pm 0.2 (<i>n</i> = 15)

After SDS/10% PAGE, the electroplotted proteins were incubated successively with primary Abs against GSK-3 β , or Cdk-5, or JNK and ¹²⁵I-labeled protein A (type NEX-146L, Dupont/NEN). The individual bands were counted in a γ counter. The data were analyzed with one-way ANOVA. Data are means \pm SD. *n* = number of rats.

* , $F = 2.432$, $df = 4, 73$, $P > 0.05$.

[†] , $F = 2.320$, $df = 4, 71$, $P > 0.05$.

[‡] , $F = 2.175$, $df = 4, 72$, $P > 0.05$. However, the powers of the performed tests with $\alpha = 0.05$ were below the desired power of 0.800; i.e., * = 0.415, [†] = 0.383, and [‡] = 0.342.