

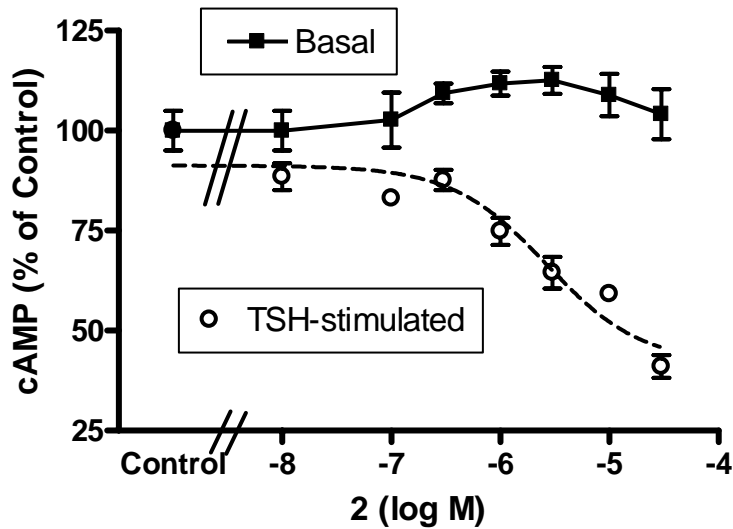
Thyrotropin Receptor Stimulates Internalization-independent Persistent Phosphoinositide

Signaling

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Supplementary Figure 2. **2** is a neutral antagonist of TSHR.

HEKTSHR cells were exposed to the noted concentrations of **2** in the absence of TSH but 20 min prior to 1 mM IBMX (Basal) or 20 min prior to the addition of a half-maximally effective concentration of TSH (1.8 nM) and 1 mM IBMX (TSH-stimulated). After an additional 40 min incubation in the presence of IBMX alone (Basal) or IBMX and TSH (TSH-stimulated), the cells were lysed and cAMP levels were measured by ELISA. **2** did not inhibit basal cAMP production but inhibited TSH-stimulated cAMP production with an IC_{50} of 2.7 μ M.