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## Neurotransmitter receptors as signaling platforms in anterior pituitary cells

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*Abbreviations:* ACh, acetylcholine; mAChR, muscarinic ACh receptor; nAChR, nicotinic ACh receptor; AP, action potential; AMPA,  $\alpha$ -amino-3-hydroxy-5-methyl-4-isoxazolepropionate; AMPAR, AMPA receptor;  $[Ca^{2+}]_i$ , intracellular calcium concentrations; CAT, choline acetyltransferase;  $[Cl^-]_i$ , intracellular chloride concentration; GABA,  $\gamma$ -aminobutyric acid; GABA<sub>A</sub>R and GABA<sub>B</sub>R, GABA receptors A and B; iGluR, ionotropic glutamate receptor; mGluR, metabotropic glutamate receptor; GPCR, G protein-coupled receptor; LGRC, ligand gated receptor channel; NMDA, N-methyl-D-aspartate; NMDAR, NMDA receptor; PRL, prolactin; P2XR, purinergic P2X receptor channel; P2YR, purinergic GPCR.

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