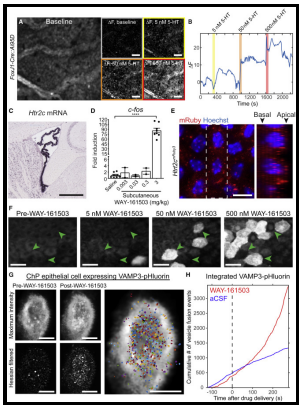
Effects of serotonin on intracellular calcium in the rat choroid plexus.

University of Manchester - Serotonin elevates intracellular Ca2+ in rat choroid plexus epithelial cells by acting on 5



Description: -
-effects of serotonin on intracellular calcium in the rat choroid plexus.
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Notes: Thesis (M.Sc.), - University of Manchester, School of Biological Sciences.
This edition was published in 1995

Filesize: 25.12 MB

Tags: #JCI #Insight

JCI Insight

Inward rectification in neonatal rat spinal motoneurones. Ca 2+ mobilization from intracellular storages was confirmed using a Ca 2+-free medium containing EGTA.

A short history of the 5

These nerve terminals do not form classic synapses; instead, they are thought to release serotonin directly in the CSF , where it could diffuse and act on the nearby ChP. The choroid plexus—cerebrospinal fluid system: undervaluated pathway of neuroendocrine signaling into the brain.

Calcium dependence of serotonin

Functional classification of CP genes shows that it expresses molecules with diverse cellular functions, including multiple categories of receptors, transporters and carrier proteins. Bistability of alpha-motoneurones in the decerebrate cat and in the acute spinal cat after intravenous 5-hydroxytryptophan.

Direct excitation of rat spinal motoneurones by serotonin.

Serotonin modulates a specific potassium current in the sensory neurons that show presynaptic facilitation in Aplysia. Apamin depresses selectively the after-hyperpolarization of cat spinal motoneurons. Application of spiperone, the mixed 5-HT1A, 5-HT2 receptor antagonist, blocked the inward I5-HT.

A short history of the 5

Arrow in j denotes MMP 9 expression in ependymal cells. Inward current activated during hyperpolarization in the rabbit sinoatrial node cell.

Characterisation of human 5

CP cilia are classified as nonmotile, primary cilia, with each epithelial cell possessing multiple cilia. Experiments were performed on isolated cells which had been maintained in primary culture.

Calcium dependence of serotonin

Membrane currents in visually identified motoneurones of neonatal rat spinal cord. For many years, it has been thought that insulin receptors transport blood-derived insulin across endothelial cells in brain capillaries.

A short history of the 5

Activation of the 5-HT2A receptor caused a transient fourfold increase in intracellular Ca2+ concentration.

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