

Hypothalamus.

Long Neurosecretory cells (LNC)
 LNC produce Oxytocin + ADH. These hormones are stored at the end of the LNC in the posterior pituitary. Nerve impulses release hormones into capillary bed.

Infundibulum

Posterior Pituitary Lobe

capillary bed.

capillary bed

Short Neurosecretory cells (SNC)

SNC release, releasing and/or inhibiting factors into the capillary bed.

Releasing + inhibiting factors travel to the target cells in the anterior pituitary via the blood portal vein.

Releasing + inhibiting factors stimulate or inhibit the production + release of hormones by the target cells.

target cells.

capillary bed

If stimulated target cells release hormones into capillary bed. Hormone leaves the pituitary gland and travels around the body to target cells via blood stream.

Anterior Pituitary Lobe

Hormones from the AP Lobe include: Growth, TSH, FSH, LH, ACTH, Prolactin.

Hormone leaves the pituitary gland and travels around body to target cells via blood stream.