

Structure/Cells	Hormone	Primary Targets	Effects	Regulatory Control
TESTES				
Interstitial cells	Androgens	Most cells	Support functional maturation of sperm, protein synthesis in skeletal muscles, male secondary sexual characteristics, and associated behaviors	Stimulated by LH from anterior pituitary (see Figure 18-9a)
Sustenacular cells	Inhibin	Anterior pituitary	Inhibits secretion of FSH	Stimulated by FSH from anterior pituitary (see Figure 18-9a)
OVARIES				
Follicular cells				
	Estrogens	Most cells	Support follicle maturation, female secondary sexual characteristics, and associated behaviors	Stimulated by FSH and LH from anterior pituitary (see Figure 18-9a)
	Inhibin	Anterior pituitary	Inhibits secretion of FSH	Stimulated by FSH from anterior pituitary (see Figure 18-9a)
Corpus luteum				
	Progestins	Uterus, mammary glands	Prepare uterus for implantation; prepare mammary glands for secretory functions	Stimulated by LH from anterior pituitary (see Figure 18-9a)
	Relaxin	Pubic symphysis, uterus, mammary glands	Loosens pubic symphysis, relaxes uterine (cervical) muscles, stimulates mammary gland development	Stimulated by LH from the anterior pituitary and by placental hCG (human chorionic gonadotropin)