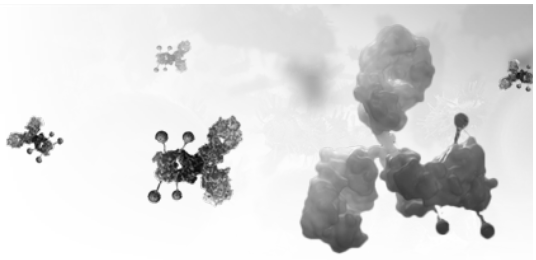

Anti-CGA polyclonal antibody (CPBT-65809SH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This product is specific for the alpha subunit of human chorionic gonadotrophin (CG) and luteinizing hormone (LH). It is thought to react with alpha subunits of follicle stimulating hormone (FSH) and thyroid stimulating hormone (TSH). Human CG is a 39.5 kDa peptide hormone that is composed of one alpha and one beta subunit. The alpha subunit is identical to that of LH, TSH and FSH. CG is secreted by placental syncytiotrophoblasts and stimulates the ovaries to produce steroids that are essential to pregnancy.
Specificity	CGA
Immunogen	Human chorionic gonadotrophin alpha subunit, prepared by dissociation of the intact molecule and purified to > 95% by gel chromatography.
Isotype	IgG
Source/Host	Sheep
Species Reactivity	Human
Conjugate	Unconjugated
Applications	ELISA; RIA
Format	Purified Ig - liquid
Size	1 ml
Preservative	0.09% Sodium Azide
Storage	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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GENE INFORMATION

Gene Name	CGA glycoprotein hormones, alpha polypeptide [Homo sapiens (human)]
Official Symbol	CGA
Synonyms	CGA; glycoprotein hormones, alpha polypeptide; HCG; LHA; FSHA; GPHa; TSHA; GPHA1; CG-ALPHA; glycoprotein hormones alpha chain; FSH-alpha; LSH-alpha; TSH-alpha; lutropin alpha chain; follitropin alpha chain; thyrotropin alpha chain; choriogonadotropin alph
Entrez Gene ID	1081
Protein Refseq	NP_000726
UniProt ID	P01215
Chromosome Location	6q12-q21
Pathway	Amine-derived hormones; Androgen biosynthesis; Autoimmune thyroid disease; Class A/1 (Rhodopsin-like receptors); Defective ACTH causes Obesity and Pro-opiomelanocortinin deficiency (POMCD); Disease; FSH signaling pathway; G alpha (s) signalling events;
Function	hormone activity; protein binding;

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