

Datasheet for ABIN452626 **anti-hCG antibody (HRP)**



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Overview

Quantity:	0.2 mL
Target:	hCG
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This hCG antibody is conjugated to HRP
Application:	Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Human HCG alpha
Clone:	HCG-2
Isotype:	IgG1
Specificity:	This antibody is reactive to Chorionic Gonadotropin beta subunit (hCG-beta).
Characteristics:	Synonyms: Follicle-stimulating hormone alpha chain, FSH-alpha, Lutropin alpha chain, Luteinizing hormone alpha chain, LSH-alpha, LH alpha, Thyrotropin alpha chain, Thyroid-stimulating hormone alpha chain, TSH-alpha, Choriogonadotropin alpha chain, Chorionic gonadotrophin subunit alpha, hCG-alpha, Anterior pituitary glycoprotein hormones common subunit alpha
Purification:	Affinity chromatography on Protein G

Target Details

Target:	hCG
Abstract:	hCG Products
Target Type:	Hormone
Background:	Human chorionic gonadotropin (hCG) is a glycoprotein hormone produced by placenta after conception. hCG is comprised of a α subunit with 92 amino acids and a β subunit with 245 amino acids. The α subunit is identical to that of LH (Luteinizing hormone), FSH (Follicle-stimulating hormone) and TSH (Thyroid-stimulating hormone). hCG sustains corpus luteum, stimulates progesterone secretion, hence is critical to early foetus development. It has also been reported that hCG plays a role in the development of foetus's tolerance to maternal immunity. hCG is the most sensitive biomarker for pregnancy. Synonyms: CGB, CGB3, Choriogonadotropin subunit beta, beta hCG, hCG-beta
Gene ID:	1081
UniProt:	P01215

Application Details

Application Notes:	ELISA: 1/1000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Reconstitution:	Restore with double distilled water to adjust the final concentration to 1,0 mg/mL
Buffer:	0.01 M PBS, pH 7.2 with 50 % Glycerol
Storage:	-20 °C
Storage Comment:	Prior to and following reconstitution store the antibody at -20 °C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Expiry Date:	12 months