

Datasheet for ABIN120036

anti-hCG antibody (Holo-Domain C2)



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Overview

Quantity:	0.5 mg
Target:	hCG
Binding Specificity:	Holo-Domain C2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This hCG antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Clone:	INN-hCG-53
Isotype:	IgG
Specificity:	This antibody recognises epitope c2 on hCG. It does not recognise free hCG subunits.
Purification:	Ammonium sulphate precipitation

Target Details

Target:	hCG
Abstract:	hCG Products
Target Type:	Hormone
Background:	Human chorionic gonadotropin (hCG) is a glycoprotein hormone produced by trophoblastic

Target Details

cells of the placenta beginning 10 to 12 days after conception. Maintenance of the fetus in the first trimester of pregnancy requires the production of hCG, which binds to the corpus luteum of the ovary which is stimulated to produce progesterone which in turn maintains the secretory endometrium. hCG is present only in trace amounts in non pregnant urine and sera. It rises sharply during pregnancy. HCG is composed of two non identical, non covalently linked polypeptide chains designated as the a and b subunits. The a subunit of HCG is nearly identical to that of thyroid stimulating hormone (TSH), follicle stimulating hormone (FSH) and luteinizing hormone (LH). A germ cell tumor which is positive for cytokeratin, placental alkaline phosphatase (PLAP) and HCG but negative for EMA and AFP is probably a choriocarcinoma. Synonyms: CGB, CGB3, Choriogonadotropin subunit beta, beta hCG, hCG-beta

Gene ID: 1082

NCBI Accession: [NP_000728](#)

UniProt: [P01233](#)

Application Details

Application Notes: ELISA. Western Blot.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Reconstitution: Restore with 0.5 mL distilled water

Concentration: 1.0 mg/mL

Buffer: PBS, pH 7.2 containing 0.09 % Sodium Azide

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.