

Datasheet for ABIN336855 **anti-hCG antibody**



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Overview

Quantity:	0.5 mL
Target:	hCG
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This hCG antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Purified beta hCG
Clone:	HCG 205
Isotype:	IgG1 kappa
Specificity:	Molecular Weight: 22 kDa.

Target Details

Target:	hCG
Alternative Name:	Chorionic Gonadotropin (hCG Products)
Target Type:	Hormone
Background:	Human chorionic gonadotropin (hCG) is a oligosaccharide glycopeptide hormone (244 aa) produced in pregnancy that is made by the embryo soon after conception and later by the

Target Details

syncytiotrophoblast (part of the placenta). Its role is to prevent the disintegration of the corpus luteum of the ovary and thereby maintain progesterone production that is critical for a pregnancy in humans. hCG may have additional functions, for instance, it is thought that hCG affects the immune tolerance of the pregnancy. Early pregnancy testing, in general, is based on the detection or measurement of hCG. HCG is composed of two non-identical, non-covalently linked polypeptide chains as alpha and beta-subunits. The alpha subunit of hCG is nearly identical to that of thyroid stimulating (TSH), FSH, and LH. A germ cell tumor which is + for Cytokeratin, PLAP, and hCG but negative for EMA and alpha fetal protein is probably choriocarcinoma

Application Details

Application Notes: IHC, ICC (frozen or formalin-fixed paraffin-embedded (FFPE) tissue sections, cell smears. For IHC dilute conc. antibodies 1:50-1:100, use streptavidin-biotin system or polymer system, incubate 30 minutes at room temperature. Prediluted antibody is ready to be used for IHC. Antigen retriever like citrate enhances the staining of FFPE tissue sections (Boil tissue in 10 mM citrate, pH 6.0 for 10-15 minutes followed by cooling for 10-15 minutes at RT. The optimum dilution should be determined by the individual lab. Positive Control: Human placenta, choriocarcinoma. Cellular Localization: Cytoplasmic.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The concentrated antibodies are supplied in PBS with 1% BSA, 0.05% azide, pH 7.4. The Prediluted antibody is supplied in our Universal antibody dilution buffer (AR-6526) green in color.

Preservative: Sodium azide

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

Storage: 4 °C