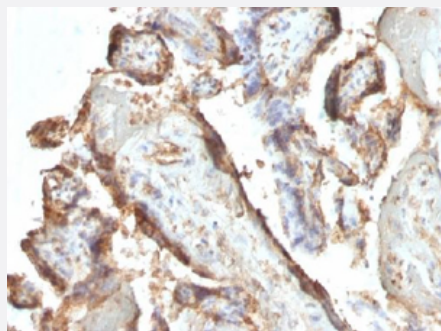


HCG Holo monoclonal antibody, clone HCGab/52

Catalog # MAB14427 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human placenta with HCG Holo monoclonal antibody, clone HCGab/52 (Cat # MAB14427).

Specification

Product Description	Mouse monoclonal antibody raised against intact-HCG.
Immunogen	Native purified hCG protein.
Host	Mouse
Reactivity	Human
Specificity	Reacts only with the intact-HCG and not with either free alpha- or free beta-chain of HCG.
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA and 0.05% azide).
Storage Instruction	Store at 4°C.

Note

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

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human placenta with HCG Holo monoclonal antibody, clone HCGab/52 (Cat # MAB14427).

Gene Info — CGA

Entrez GeneID [1081](#)

Gene Name CGA

Gene Alias CG-ALPHA, FSHA, GPHA1, GPHa, HCG, LHA, TSHA

Gene Description glycoprotein hormones, alpha polypeptide

Omim ID [118850](#)

Gene Ontology [Hyperlink](#)

Gene Summary The four human glycoprotein hormones chorionic gonadotropin (CG), luteinizing hormone (LH), follicle stimulating hormone (FSH), and thyroid stimulating hormone (TSH) are dimers consisting of an alpha and beta subunits that are associated noncovalently. The alpha subunits of these hormones are identical, however, their beta chains are unique and confer biological specificity. The protein encoded by this gene is the alpha subunit and belongs to the glycoprotein hormones alpha chain family. [provided by RefSeq]

Other Designations OTTHUMP00000016825|chorionic gonadotropin, alpha polypeptide|follicle-stimulating hormone alpha subunit

Gene Info — CGB

Entrez GeneID [1082](#)

Gene Name CGB

Gene Alias CGB3, hCGB

Gene Description chorionic gonadotropin, beta polypeptide

Omim ID [118860](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene is a member of the glycoprotein hormone beta chain family and encodes the beta 3 subunit of chorionic gonadotropin (CG). Glycoprotein hormones are heterodimers consisting of a common alpha subunit and an unique beta subunit which confers biological specificity. CG is produced by the trophoblastic cells of the placenta and stimulates the ovaries to synthesize the steroids that are essential for the maintenance of pregnancy. The beta subunit of CG is encoded by 6 genes which are arranged in tandem and inverted pairs on chromosome 19q13.3 and contiguous with the luteinizing hormone beta subunit gene. [provided by RefSeq]

Other Designations

chorionic gonadotropin beta 3 subunit|chorionic gonadotropin beta chain|chorionic gonadotropin beta subunit

Publication Reference

- [Adiponectin attenuation of endocrine function within human term trophoblast cells.](#)

McDonald EA, Wolfe MW.

Endocrinology 2009 Sep; 150(9):4358.

Pathway

- [Autoimmune thyroid disease](#)
- [GnRH signaling pathway](#)
- [Neuroactive ligand-receptor interaction](#)

Disease

- [Abortion](#)
- [Asperger Syndrome](#)
- [Autistic Disorder](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)

- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Puberty](#)
- [Pulmonary Disease](#)
- [Social Perception](#)
- [Thrombophilia](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)