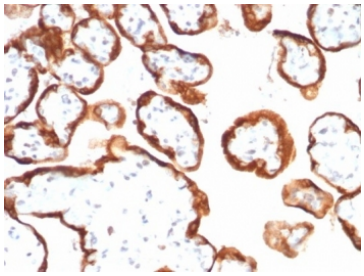
hCG-alpha Antibody / Luteinizing Hormone alpha [clone hCGa/7138] (V5170)

Catalog No.	Formulation	Size
V5170-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5170-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5170SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG
Clone Name	hCGa/7138
Purity	Protein A/G affinity
UniProt	P01215
Localization	Cytoplasm, Secreted
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This HCG-alpha antibody is available for research use only.



IHC staining of FFPE human placental tissue with HCG-alpha antibody (clone hCGa/7138). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

Human chorionic gonadotropin antibody (hCG) is a glycoprotein hormone synthesized in syncytiotrophoblastic cells of

placenta and in certain trophoblastic tumors. The hormone-specific alpha chains have molecular weights of 13 kDa. HCG is found in moles and choriocarcinoma, chorionic components of germ cell tumors, and syncytiotrophoblast like cells in seminoma/dysgerminoma and embryonal carcinoma. In diagnostic pathology, hCG is a useful marker for classification of germ cell tumors, identification of extragonadal germ cell tumors.

Application Notes

Optimal dilution of the HCG-alpha antibody should be determined by the researcher.

Immunogen

A recombinant partial protein sequence (within amino acids 1-116) from the human protein was used as the immunogen for the HCG-alpha antibody.

Storage

Aliquot the HCG-alpha antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.