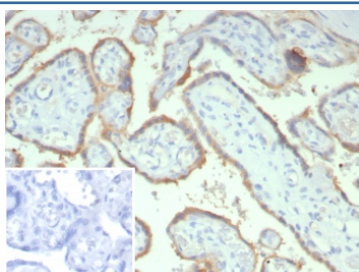


## HCG-alpha Antibody [clone hCGa/7873] (V5145)

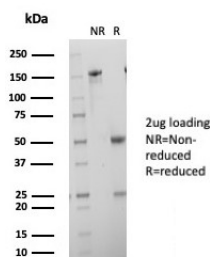
Catalog No.	Formulation	Size
V5145-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5145-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5145SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	hCGa/7873
<b>Purity</b>	Protein A/G affinity
<b>UniProt</b>	P01215
<b>Localization</b>	Cytoplasm, Secreted
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
<b>Limitations</b>	This HCG-alpha antibody is available for research use only.



IHC staining of FFPE human placental tissue with HCG-alpha antibody (clone hCGa/7873). Inset: PBS used in place of primary Ab (secondary Ab negative control).  
 HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free HCG-alpha antibody (clone hCGa/7873) as confirmation of integrity and purity.

## 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.