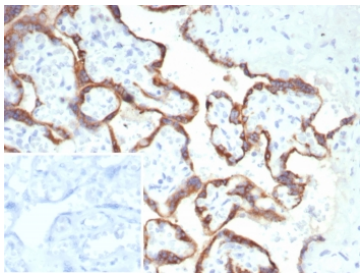
# HCG-alpha Antibody [clone hCGa/7870] (V5171)

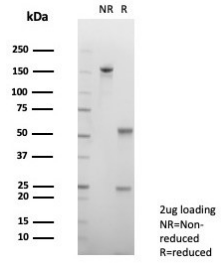
| Catalog No. | Formulation | Size |
|---|---|---|
| V5171-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V5171-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V5171SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium 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 IgG2b |
| **Clone Name** | hCGa/7870 |
| **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/7870). 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/7870) 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.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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