

Datasheet for ABIN7504153

**Recombinant anti-CGA antibody (AA 1-100)****2** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	CGA
Binding Specificity:	AA 1-100
Reactivity:	Synthetic
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This CGA antibody is un-conjugated
Application:	Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

## Product Details

Immunogen:	Synthetic peptide corresponding to residues within aa1-100 of hCG was used as an immunogen
Isotype:	IgG
Specificity:	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.

## Product Details

Cross-Reactivity (Details): Human.

Purification: 200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G.

## Target Details

Target: CGA

Alternative Name: CGA ([CGA Products](#))

Background: CG-alpha, CGA, Chorionic Gonadotrophin Alpha, Follicle Stimulating Hormone Alpha, Folitropin Alpha, FSH-alpha, FSHA, GPH Alpha, GPHA1, LHA, LH-alpha, Luteinizing Hormone Alpha, Lutropin Alpha, Thyroid Stimulating Hormone Alpha, Thyrotropin Alpha, TSHA,HCG-beta (Pregnancy & Choriocarcinoma Marker)  
Cellular localisation: Cytoplasmic, secreted

Molecular Weight: 13kDa

Gene ID: 1081, 119689

UniProt: [P01215](#)

Pathways: [Metabolism of Steroid Hormones and Vitamin D](#), [Thyroid Hormone Synthesis](#), [Hormone Transport](#), [Peptide Hormone Metabolism](#)

## Application Details

Application Notes: Positive Control: Human placenta.  
Known Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95 °C followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

## Handling

Concentration: 200 µg/mL

Buffer: Prepared in 10 mM PBS with 0.05 % BSA and 0.05 % azide.

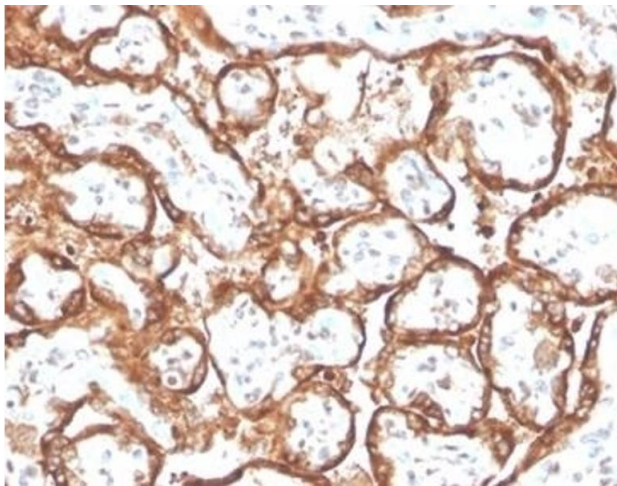
Preservative: Sodium azide

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

Handling

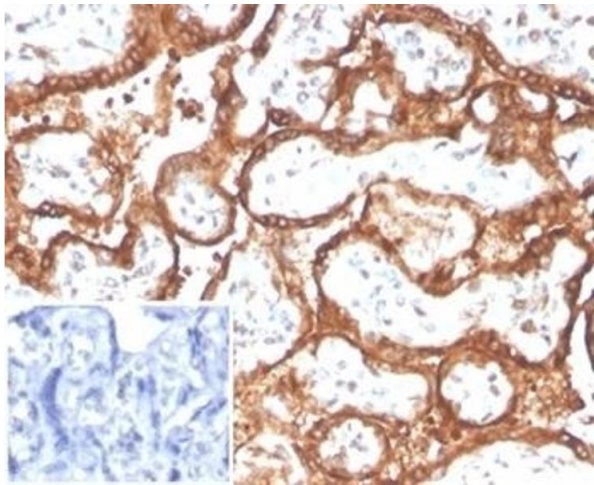
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8 °C. Antibody is stable for 24 months. Non-hazardous. Also available WITHOUT BSA & azide at 1.0mg/ml.
Expiry Date:	24 months

Images



Immunohistochemistry

**Image 1.** Formalin-fixed, paraffin-embedded human placenta stained with HCG-beta Rabbit Recombinant Monoclonal Antibody (HCGa/2728R).



Immunohistochemistry

**Image 2.** Formalin-fixed, paraffin-embedded human placenta stained with HCG-beta Rabbit Recombinant Monoclonal Antibody (HCGa/2728R).