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Datasheet for ABIN6939108

## Recombinant anti-CGB antibody

### 2 Images

#### Overview

Quantity:	100 µg
Target:	CGB
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

#### Product Details

Immunogen:	Recombinant full-length hCG beta protein
Clone:	HCGb-1985R
Isotype:	IgG
Specificity:	This MAb reacts with a protein of 22 kDa, identified as beta sub-unit of HCG. It does not cross react with the alpha sub-unit. HCG is a glycoprotein, which is secreted in large quantities by normal trophoblasts. It is present only in trace amounts in non-pregnant urine and sera but rises sharply during pregnancy. HCG is composed of two non-identical, non-covalently linked polypeptide chains designated as the subunit is identical to that of thyroid stimulating hormone (TSH) follicle stimulating hormone (FSH), and luteinizing hormone (LH). hCG MAb detects cells and tumors of trophoblastic origin such as choriocarcinoma. Large cell carcinoma and adenocarcinoma of the lung demonstrate anti-hCG positivity in 90 % and 60 % of cases respectively. 20 % of lung squamous cell carcinomas are positive. hCG expression by non-trophoblastic tumors may indicate aggressive behavior.

## Product Details

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Purification: Purified by Protein A/G

## Target Details

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Target: CGB

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

Molecular Weight: 22kDa

Gene ID: 1082

UniProt: [P01233](#)

## Application Details

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Application Notes: Positive Control: JAR or TT cells. Placenta.  
Known Application: Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL, 30 min RT) (Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

## Handling

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Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

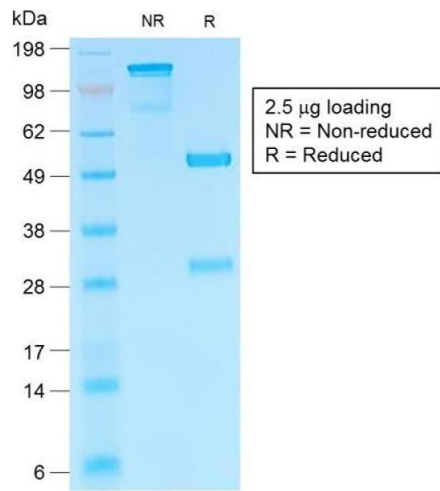
Preservative: Sodium azide

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

Storage: 4 °C, -80 °C

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



### SDS-PAGE

**Image 1.** SDS-PAGE Analysis of Purified hCG beta Rabbit Recombinant Monoclonal Antibody (HCGb/1985R).



### Immunohistochemistry

**Image 2.** Formalin-fixed, paraffin-embedded human placenta stained with hCG beta Rabbit Recombinant Monoclonal Antibody (HCGb/1985R).