

Datasheet for ABIN6939107

Recombinant anti-CGB antibody**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CGB
Reactivity:	Human
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Application:	Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant full-length human hCG beta protein
Clone:	RHCGb-54
Isotype:	IgG1
Specificity:	<p>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.</p>

Product Details

Cross-Reactivity (Details): Human,

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

Target Details

Target: CGB

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

Background: CG-beta, CGB3, CGB5, CGB7, CGB8, Choriogonadotropin Subunit beta, hCGB,HCG-beta
(Pregnancy & Choriocarcinoma Marker)
Cellular localisation: Cytoplasmic, secreted

Molecular Weight: 22kDa

Gene ID: 1082, 172944

UniProt: [P01233](#)

Application Details

Application Notes: Positive Control: JAR or TT cells. Placenta.
Known Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL, 30 min 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.

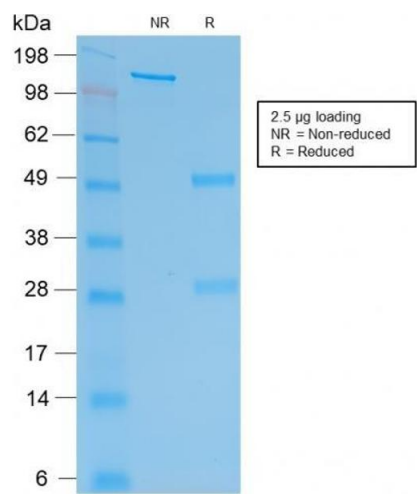
Preservative: Sodium azide

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

Storage: 4 °C,-80 °C

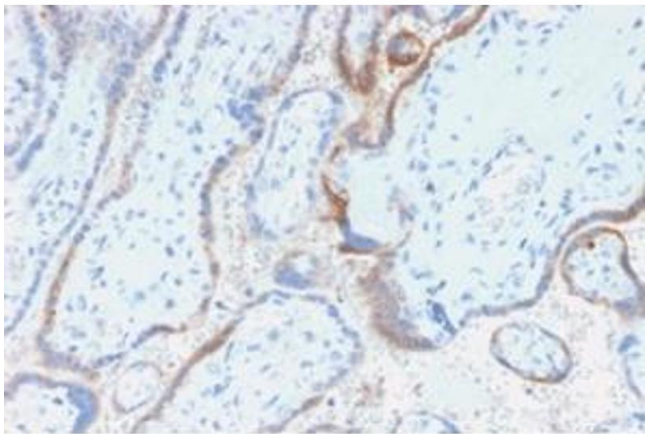
Storage Comment: Antibody with azide - store at 2 to 8 °C. Antibody is stable for 24 months. Non-hazardous. Also available WITHOUT BSA & azide at 1.0mg/ml.

Expiry Date: 24 months



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified hCG beta Mouse Recombinant Monoclonal Antibody (rHCGb/54). Confirmation of Purity and Integrity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human placenta stained with hCG beta Mouse Recombinant Monoclonal Antibody (rHCGb/54).