



Datasheet for ABIN6939105 anti-CGB antibody



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1 Image

Overview

Quantity:	100 µg
Target:	CGB
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CGB antibody is un-conjugated
Application:	Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Purified human HCG-beta
Clone:	HCGb-211
Isotype:	IgG1
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

Cross-Reactivity (Details):	Human,
Purification:	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G.

Target Details

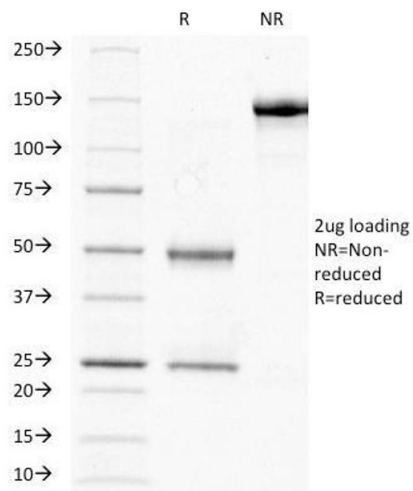
Target:	CGB
Alternative Name:	CGB (CGB Products)
Background:	CG-beta, CGB3, CGB5, CGB7, CGB8, Choriogonadotropin Subunit beta, hCGB,HCG-beta (Pregnancy & Choriocarcinoma Marker) Cellular localisation: Cytoplasmic, secreted
Molecular Weight:	22kDa
Gene ID:	1082, 172944
UniProt:	P01233

Application Details

Application Notes:	Positive Control: Placenta. Known Application: Immunohistochemistry (Frozen) (1-2 µg/mL for 30 minutes at RT) 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 Monoclonal Antibody (HCGb/211). Confirmation of Purity and Integrity of Antibody.