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anti-CGB antibody

2 Images



Go to Product page

Overview

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

Product Details

Immunogen:	Recombinant full-length hCG beta protein
Clone:	HCGb-54
Isotype:	IgG1 kappa
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.
Purification:	Purified by Protein A/G

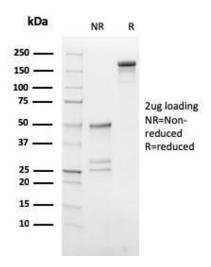
Purification. Purified by Protein A/C

Target Details

Target:	CGB
Alternative Name:	CGB (CGB Products)
Molecular Weight:	22kDa
Gene ID:	1082
UniProt:	P01233

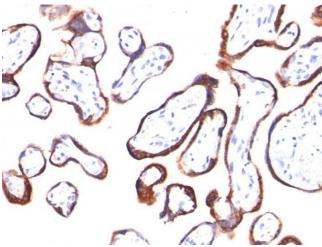
Application Details	
Application Notes:	Positive Control: JAR or TT cells. Placenta.
	Known Application: Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL) (Staining of
	formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-
	20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application
	should be determined.
Restrictions:	For Research Use only
Handling	
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. 4 °C,-80 °C Storage: 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 Purified hCG beta Mouse Monoclonal Antibody (HCGb/54). Confirmation of Purity and Integrity of Antibody



Immunohistochemistry

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