

Datasheet for ABIN6252542 **anti-HCG beta antibody**



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	HCG beta
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HCG beta antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Purified HCG-beta protein was used as the immunogen for this antibody.
Clone:	HCGb-211
Isotype:	IgG1 kappa
Purification:	Protein G affinity chromatography

Target Details

Target:	HCG beta
Alternative Name:	HCG-beta (HCG beta Products)
Background:	This antibody reacts with a protein of 22 kDa, identified as beta subunit of HCG. It does not cross react with the alpha subunit. 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

Target Details

polypeptide chains designated as the alpha and beta subunits. The alpha subunit is identical to that of thyroid stimulating hormone (TSH), follicle stimulating hormone (FSH), and luteinizing hormone (LH). HCG-beta antibody detects cells and tumors of trophoblastic origin such as choriocarcinoma. Large cell carcinoma and adenocarcinoma of the lung demonstrate antibody 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.

Gene ID: 1082

UniProt: [Q6NT52](#)

Application Details

Application Notes: ELISA: use BSA-free format (1)

IHC (Frozen): 0.5-1 µg/mL for 30 min at RT

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the HCG-beta antibody to be titrated up or down for optimal performance.

1. Clone HCGb/211 (recommended capture) will pair with clones < a href=../tds/hcg-beta-antibody-hcgb459-v2373>HCGb/459 and < a href=../tds/hcg-beta-antibody-hcgb54-v2092>HCGb/54 (recommended detect) by ELISA.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.2 mg/mL

Buffer: PBS with 0.1 mg/mL BSA and 0.05 % sodium 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: -20 °C

Storage Comment: Aliquot and Store at -20C. Avoid freez-thaw cycles.