

Datasheet for ABIN5707872
anti-HCG beta antibody



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1 Image

Overview

Quantity:	100 µg
Target:	HCG beta
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This HCG beta antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein was used as the immunogen for this recombinant HCG-beta antibody.
Clone:	HCGb-1996R
Isotype:	IgG kappa
Purification:	Purified
Purity:	Protein A 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

Target Details

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 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

Application Details

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

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.\. Immunohistochemistry (FFPE): 0.5-1 µg/mL for 30 min at RT,Prediluted IHC only format: incubate for 30 min at RT (1)

Restrictions: For Research Use only

Handling

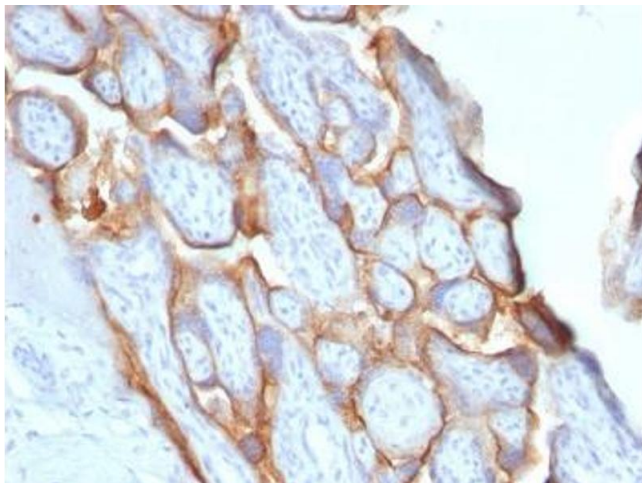
Buffer: 0.2 mg/mL in 1X PBS with 0.1 mg/mL BSA (US sourced) and 0.05 % sodium azide

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: 4 °C,-20 °C

Storage Comment: Store the recombinant HCG-beta antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).



Immunohistochemistry

Image 1. IHC testing of FFPE human placenta with HCG-beta antibody (clone HCGb/1996R). Required HIER: boil tissue sections in 10mM citrate buffer, pH 6, for 10-20 min followed by cooling at RT for 20 min.