

Product datasheet

Anti-hCG beta antibody [HCG-61] ab764

1 References 1 Image

Overview

Product name	Anti-hCG beta antibody [HCG-61]
Description	Mouse monoclonal [HCG-61] to hCG beta
Host species	Mouse
Specificity	Reacts with beta subunit of human chorionic gonadotropin with association constant 5.1×10^{10} l/mol. The following cross-reactivities (%) were determined by classic double-antibody radioimmunoassay using unlabelled hormones: b-hCG = 77 a-hCG = 1.3 hLH = 0.86 hFSH = < 0.5 hTSH = < 0.5
Tested applications	Suitable for: ELISA, ICC, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Full length native protein (purified) (Human).
Positive control	This antibody gave a positive result in IHC in the following FFPE tissue: Human normal placenta.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 15mM Sodium Azide Constituents: PBS, pH 7.4
Purity	>95% by SDS-PAGE
Purification notes	Purified from ascites using protein A-affinity chromatography.
Clonality	Monoclonal
Clone number	HCG-61
Isotype	IgG2b
Light chain type	unknown

Applications

Our [Abpromise guarantee](#) covers the use of **ab764** in the following tested applications.

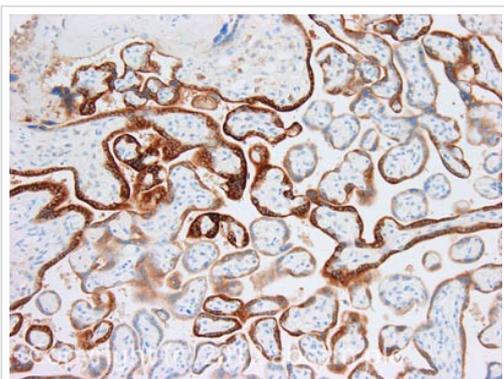
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		Use a concentration of 3 - 10 µg/ml.
ICC		Use a concentration of 3 - 10 µg/ml.
IHC-P		Use a concentration of 5 µg/ml.

Target

Function	Stimulates the ovaries to synthesize the steroids that are essential for the maintenance of pregnancy.
Tissue specificity	Placenta.
Sequence similarities	Belongs to the glycoprotein hormones subunit beta family.
Developmental stage	Made by the first trimester placenta.
Cellular localization	Secreted.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-hCG beta antibody [HCG-61] (ab764)

IHC image of hCG beta staining in Human normal placenta formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab764, 5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX. For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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