

### Anti-hCG beta antibody [5H4-E2] ab9582

★★★★★ [2 Abreviews](#) [22 References](#) [画像数 2](#)

#### 製品の概要

製品名	Anti-hCG beta antibody [5H4-E2]
製品の詳細	Mouse monoclonal [5H4-E2] to hCG beta
由来種	Mouse
特異性	The antibody recognizes the whole hCG beta and the C-terminal end part of hCG beta, as well as the hCG dimer molecule. It does not react with hCG alpha, FSH, LH, TSH and albumins (evaluated by simple-binding ELISA using 1.00 µg/well purified antigens (WHO standards) and 1.00 µg/ml primary antibody concentrations). This antibody labels the cytoplasm of hCG beta producing (trophoblastic) cells in placenta, mola hydatidosa, choriocarcinoma, embryonal carcinoma and some undifferentiated lung cancers, as well as, the JAR choriocarcinoma cell line. It does not react with cells of normal endometrial, testicular tissues and lung (tested by immunohistochemistry on formalin-fixed, paraffin-embedded tissue sections using the Streptavidin-biotinylated peroxidase method).
アプリケーション	<b>適用あり:</b> IHC-P
種交差性	<b>交差種:</b> Human <b>非交差種:</b> Horse
免疫原	Full length native protein (purified) corresponding to Human hCG beta. Database link: <a href="#">P01233</a>
ポジティブ・コントロール	ICC/IF: Human chorionic villus cells. IHC-P: Human fetal chorionic villus tissue.
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.097% Sodium azide

	Constituents: Tris HCl, 0.2% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	5H4-E2
アイソタイプ	IgG1
軽鎖の種類	kappa

## アプリケーション

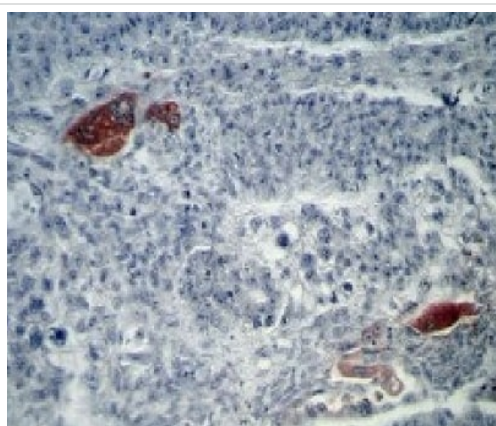
**The Abpromise guarantee** Abpromise保証は、 次のテスト済みアプリケーションにおけるab9582の使用に適用されます  
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アプリケーション	Abreviews	特記事項
IHC-P		Use at an assay dependent concentration. It gives optimal immunostaining with the majority of well-known detection systems (e.g. LSAB, ABC/SABC, PAP, APAAP, double staining, etc.). Antigen retrieval, such as heating of slides in 10 mM citrate buffer, pH 6.00 or proteolytic pre-treatment of tissues may increase the staining intensity. The recommended time of incubation is 60 minutes at room temperature.

## ターゲット情報

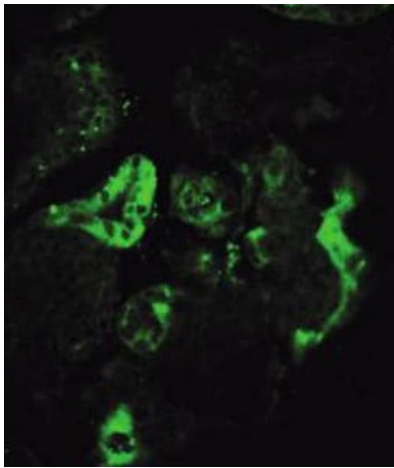
**関連性** Function: Stimulates the ovaries to synthesize the steroids that are essential for the maintenance of pregnancy. Tissue specificity: Placenta. Similarity: Belongs to the glycoprotein hormones subunit beta family. Developmental stage: Made by the first trimester placenta.

## 画像



Formalin-fixed, paraffin-embedded human seminoma tissue stained for hCG beta with ab9582 at a 1/50 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-hCG beta antibody [5H4-E2] (ab9582)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-hCG beta antibody [5H4-E2] (ab9582)

Image from Spitalieri P et al, Cloning Stem Cells. 2009 Dec;11(4):535-56, Fig 1, DOI: 10.1089/clo.2009.0046.

ab9582 staining hCG beta in human fetal chorionic villus by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections). Samples were fixed in 4% paraformaldehyde and then incubated with ab9582 in PBT [3% bovine serum albumin (BSA) and 0.5% Triton X-100 in phosphate-buffered saline (PBS)] overnight at 4°C. After extensive washing with PBT, samples were incubated with a secondary antibody conjugated to Alexa-Fluor<sup>®</sup> 488 for 1 hour at room temperature in the dark. After nuclear staining with Hoechst slides were mounted with PBS/ glycerol.

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