

Resource Summary Report

Generated by [RRID](#) on Aug 13, 2026

[hCG beta antibody \[5H4-E2\]](#)

RRID:AB_296507

Type: Antibody

Proper Citation

Abcam Cat# ab9582, RRID:AB_296507

Antibody Information

URL: http://antibodyregistry.org/AB_296507

Proper Citation: Abcam Cat# ab9582, RRID:AB_296507

Target Antigen: hCG beta

Host Organism: mouse

Clonality: monoclonal

Comments: validation status unknown, seller recommendations provided in 2012: ELISA; Immunocytochemistry; Immunohistochemistry; Western Blot; ELISA, Immunocytochemistry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Fr, Immunohistochemistry-P, Western Blot

Antibody Name: hCG beta antibody [5H4-E2]

Description: This monoclonal targets hCG beta

Target Organism: human

Clone ID: Clone 5H4-E2

Antibody ID: AB_296507

Vendor: Abcam

Catalog Number: ab9582

Record Creation Time: 20250819T235400+0000

Record Last Update: 20250820T064551+0000

Ratings and Alerts

No rating or validation information has been found for hCG beta antibody [5H4-E2].

No alerts have been found for hCG beta antibody [5H4-E2].

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 23 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Molè MA, et al. (2026) Modeling human embryo implantation in vitro. *Cell*, 189(1), 87.

Song J, et al. (2026) 3D post-implantation co-culture of human embryo and endometrium. *Cell stem cell*, 33(1), 58.

Feng Z, et al. (2026) A Novel Human Cellular System for Studying Normal Aging and for Anti-Aging Discovery. *Aging cell*, 25(2), e70352.

Li Q, et al. (2026) A 3D in vitro model for studying human implantation and implantation failure. *Cell*, 189(1), 70.

Shaha SZ, et al. (2026) aPKC- γ III promotes trophoblast fusion by altering Par-3 interactions with Hippo signaling kinase LATS1. *Stem cell reports*, 21(7), 102975.

Shibata S, et al. (2026) Rotational trophoblast organoids reveal biomechanical regulation of trophoblast differentiation. *Cell reports*, 45(7), 117637.

Karakis V, et al. (2025) Derivation of human trophoblast stem cells from placentas at birth. *bioRxiv : the preprint server for biology*.

Karakis V, et al. (2025) Derivation of human trophoblast stem cells from placentas at birth. *The Journal of biological chemistry*, 301(6), 108505.

Zhou J, et al. (2025) Development of apical out trophoblast stem cell derived organoids to model early human pregnancy. *iScience*, 28(3), 112099.

Jabeen M, et al. (2025) A quantitative image analysis platform for assessing trophoblast differentiation. *Placenta*, 166, 117.

Xie H, et al. (2025) Modeling early gastrulation in human blastoids with DNA methylation patterns of natural blastocysts. *Cell stem cell*, 32(3), 409.

Shannon MJ, et al. (2024) Single-cell assessment of primary and stem cell-derived human trophoblast organoids as placenta-modeling platforms. *Developmental cell*, 59(6), 776.

Iyer DP, et al. (2024) mTOR activity paces human blastocyst stage developmental progression. *Cell*, 187(23), 6566.

Karakis V, et al. (2023) Laminin switches terminal differentiation fate of human trophoblast stem cells under chemically defined culture conditions. *The Journal of biological chemistry*, 299(5), 104650.

Tan JP, et al. (2022) Establishment of human induced trophoblast stem cells via reprogramming of fibroblasts. *Nature protocols*, 17(12), 2739.

Ohgushi M, et al. (2022) Delamination of trophoblast-like syncytia from the amniotic ectodermal analogue in human primed embryonic stem cell-based differentiation model. *Cell reports*, 39(12), 110973.

Castel G, et al. (2022) Induction of human trophoblast stem cells. *Nature protocols*, 17(12), 2760.

Yanagida A, et al. (2021) Naive stem cell blastocyst model captures human embryo lineage segregation. *Cell stem cell*, 28(6), 1016.

Mischler A, et al. (2021) Two distinct trophectoderm lineage stem cells from human pluripotent stem cells. *The Journal of biological chemistry*, 296, 100386.

Io S, et al. (2021) Capturing human trophoblast development with naive pluripotent stem cells in vitro. *Cell stem cell*, 28(6), 1023.