

hCG Beta Rabbit mAb

Catalog NO.: A24128 **Recombinant**

Basic Information

Observed MW

23kDa

Calculated MW

18kDa

Category

Monoclonal Antibodies

Applications

ELISA, WB, IHC-P

Cross-Reactivity

Human

Conjugation

Unconjugated

Clone number

ARC64338

Background

This gene is a member of the glycoprotein hormone beta chain family and encodes the beta 3 subunit of chorionic gonadotropin (CG). Glycoprotein hormones are heterodimers consisting of a common alpha subunit and an unique beta subunit which confers biological specificity. CG is produced by the trophoblastic cells of the placenta and stimulates the ovaries to synthesize the steroids that are essential for the maintenance of pregnancy. The beta subunit of CG is encoded by 6 genes which are arranged in tandem and inverted pairs on chromosome 19q13.3 and contiguous with the luteinizing hormone beta subunit gene.

Recommended Dilutions

WB	1:1000 - 1:2000
IHC-P	1:200 - 1:800

Immunogen Information

Gene ID	Swiss Prot
1082	P0DN86

Immunogen

Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms

CGB; LHB; CGB5; CGB7; CGB8; hCGB; hCG Beta

Contact

Product Information

☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

Source

Rabbit

Isotype

IgG

Purification

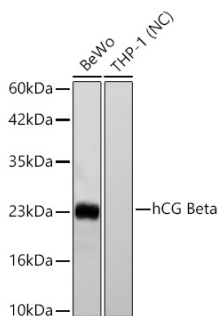
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of various lysates using hCG Beta Rabbit mAb (A24128) at 1:1000 dilution incubated overnight at 4°C.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

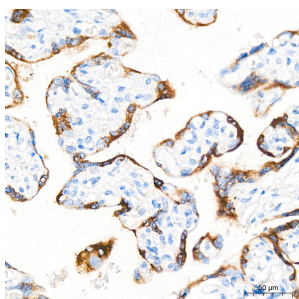
Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Negative control (NC): THP-1

Exposure time: 45s.



Immunohistochemistry analysis of paraffin-embedded Human placenta tissue using hCG Beta Rabbit mAb (A24128) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

