

hCG β (AB1340) mouse mAb

V0375

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- Immunohistochemistry (IHC)

MW

- kDa (calculated)
- kDa (observed)

Isotype

- IgG1, kappa

Recommended Dilution Ratios

Application

Immunohistochemistry (IHC)

Dilution

IHC, 1:50-1:200

Storage

Storage Conditions

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

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality Monoclonal

Clone Number AB1340

Immunogen A synthetic peptide corresponding to the amino acid region 100 - 165 of the human hCG β protein.

Specificity The antibody can specifically recognize β subunits of human CG, and has no cross reaction with LH, FSH or TSH proteins.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name CGB3/CGB5/CGB8/CGB7/CGB1/CGB2

Protein Name hCG β

Database Link

Organism

Human

Swiss Prot.

P0DN86; P0DN87;

Gene ID

Background

HCG is a glycoprotein hormone produced by placental syncytiotrophoblast cells. It is a dimer composed of α and β subunits with non-covalently bound. Chorionic gonadotropin (CG), luteinizing hormone (LH), follicle stimulating hormone (FSH) and thyroid stimulating hormone (TSH) are all composed of α and β subunits dimer, and their α subunit are the same, but β subunit is unique. Used for the classification of pituitary adenomas.