



Product Information Sheet

Polyclonal Anti- 11 β -hydroxysteroid dehydrogenase type 1, *HSD11B1* (Magnetic Bead Conjugate)

Catalogue No. PA1372-M

Lot No. 0131112047227

Ig type rabbit IgG

Size 100 μ g/vial

Specificity

Human, rat, mouse.

No cross reactivity with other proteins.

Recommended application

ImmunoPrecipitation (IP)

Immunogen

A synthetic peptide corresponding to a sequence at the middle region of human HSD11B1 (131-145 aa), different from the mouse sequence by two amino acids.

Purity

Immunogen affinity purified.

Contents

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN₃.

Storage

Store at 4°C for frequent use.

Description

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified magnetic beads. It is useful for immunoprecipitation.

BACKGROUND

11 β -hydroxysteroid dehydrogenase type 1 is an NADPH-dependent enzyme highly expressed in key metabolic tissues including liver, adipose tissue, and the central nervous system. In these tissues, HSD11B1 reduces cortisone to the active hormone cortisol that activates glucocorticoid receptors. It is inhibited by carbenoxolone, a drug typically used in the treatment of peptic ulcers. Tannin et al. (1991) localized the HSD11B1 gene to chromosome 1. The localization was confirmed by isolating the gene from a chromosome 1-specific library using the cDNA as a probe. Schutte et al. (2000) mapped the HSD11B1 gene to 1q32-q41..

REFERENCE

- 1."Entrez Gene: HSD11B1 hydroxysteroid (11-beta) dehydrogenase 1"