



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

Catalogue No. PA1372-S

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.

Purification

Immunogen affinity purified.

Formulation

50% slurry in PBS pH 7.2 with 0.01mg NaN₃ preservative.

Storage

Store at 4°C for frequent use.

Description:

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays

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"

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