CYP11B1/2 polyclonal antibody

Catalog: BS61546 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

The steroid 11beta-hydroxylase gene, also designated Cyp11b-1, is a marker for the functional differentiation of cells in the zonae fasciculata reticularis. The deduced protein CYP11B1 consists of 466 amino acids containing a secretory signal, epidermal growth factor-like repeats, and a proteolytically inactive cathepsin B-related sequence. A related protein, human aldosterone synthase (CYP11B2), is involved in substrate recognition and conversion, with a functionally significant residue 112 in the N-terminal region of human CYP11B2. The inherited disorder glucocorticoid-remediable aldosteronism iscaused by a chimeric gene duplication between the CYP11B1 and CYP11B2 genes. This disorder is characterized by hyperaldosteronism and high levels of 18-hydroxycortisol and 18-oxocortisol, which are under ACTH control.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

Molecular Weight:

~ 57 kDa

Swiss-Prot:

P15538; P19099

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE)

Applications:

WB: 1:500~1:1000

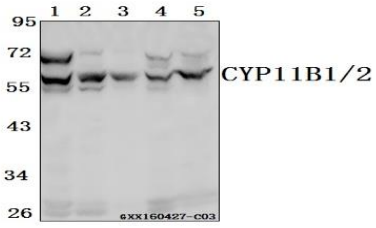
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

CYP11B1/2 polyclonal antibody detects endogenous levels of CYP11B1/2 protein.

DATA:



Western blot (WB) analysis of CYP11B1/2 polyclonal antibody at 1:500 dilution

Lane1:HCT116 whole cell lysate(40ug)

Lane2:The Testis tissue lysate of Mouse(40ug)

Lane3:The Testis tissue lysate of Rat(40ug)

Lane4:SK-OVCAR3 whole cell lysate(40ug)

Lane5:HepG2 whole cell lysate(40ug)

Note:

For research use only, not for use in diagnostic procedure.

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