

DHI2 Rabbit pAb

CatalogNo: YN0622

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA

MW

- 44kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from part region of human protein

Specificity DHI2 Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name HSD11B2 HSD11K

Protein Name Corticosteroid 11-beta-dehydrogenase isozyme 2 (11-beta-hydroxysteroid dehydrogenase type 2) (11-DH2) (11-beta-HSD2) (11-beta-hydroxysteroid dehydrogenase type II) (-HSD11 type II) (NAD-dependent 11-beta-hydroxysteroid dehydrogenase) (11-beta-HSD)

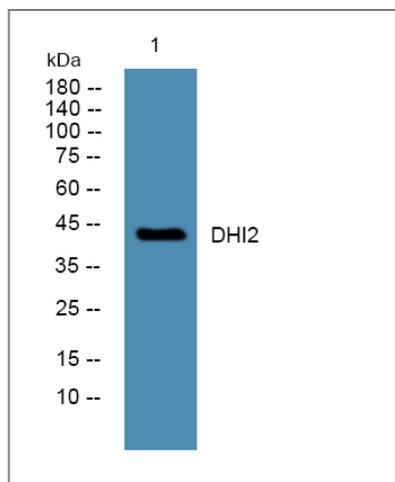
| Organism | Gene ID | UniProt ID |
|----------|------------------------|--------------------------|
| Human | 3291 ; | P80365 ; |
| Mouse | | P51661 ; |
| Rat | | P50233 ; |

Cellular Localization Microsome . Endoplasmic reticulum .

Tissue specificity Expressed in kidney, placenta, pancreas, prostate, ovary, small intestine and colon, and in lower levels in the spleen and testis (PubMed:7859916). At midgestation, expressed at high levels in placenta and in fetal kidney and, at much lower levels, in fetal lung and testis (PubMed:8530071).

Function Catalytic activity:An 11-beta-hydroxysteroid + NAD(+) = an 11-oxosteroid + NADH.,Disease:Defects in HSD11B2 are the cause of apparent mineralocorticoid excess (AME) [MIM:218030]. AME is a potentially fatal disease characterized by severe juvenile low-renin hypertension, sodium retention, hypokalemia and low levels of aldosterone. It often leads to nephrocalcinosis.,enzyme regulation:Inhibited by glycyrrhetic acid (derived from liquorice), carbenoxone and 11-alpha-OH-progesterone.,Function:Catalyzes the conversion of cortisol to the inactive metabolite cortisone. Modulates intracellular glucocorticoid levels, thus protecting the nonselective mineralocorticoid receptor from occupation by glucocorticoids.,miscellaneous:Consumption of large amounts of liquorice can lead to apparent mineralocorticoid excess and hypertension.,similarity:Belongs to the short-chain dehydrogenases/reductases (SDR) family.,subunit:Interacts with ligand-free cytoplasmic NR3C2.,tissue specificity:Found in placenta, kidney, pancreas, prostate, ovary, small intestine and colon.,

Validation Data



Western blot analysis of lysates from PC12 cells, primary antibody was diluted at 1:1000, 4° over night

| Contact information

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DH12 Rabbit pAb

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