

3BHS1 Rabbit pAb

CatalogNo: YN0349

Key Features

Host Species

- Rabbit

Reactivity

- Human,Rat,Mouse,

Applications

- WB,ELISA

MW

- 41kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

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.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

Synthesized peptide derived from human protein . at AA range: 30-110

Specificity

3BHS1 Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name

HSD3B1 3BH HSDB3A

Protein Name 3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 1 (3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type I) (3-beta-HSD I) (Trophoblast antigen FDO161G) [Includes: 3-beta-hydroxy-Delta(5)-steroid dehydrogenase (3-beta-hydroxy-5-ene steroid dehydrogenase) (Progesterone reductase); Steroid Delta-isomerase (Delta-5-3-ketosteroid isomerase)]

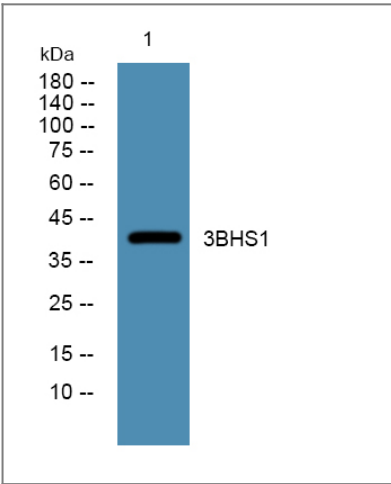
Organism	Gene ID	UniProt ID
Human	3283 ;	P14060 ;
Mouse		P24815 ;
Rat		P22071 ;

Cellular Localization Endoplasmic reticulum membrane; Single-pass membrane protein. Mitochondrion membrane; Single-pass membrane protein.

Tissue specificity Placenta and skin (PubMed:1401999). Predominantly expressed in mammary gland tissue.

Function Catalytic activity:A 3-beta-hydroxy-Delta(5)-steroid + NAD(+) = a 3-oxo-Delta(5)-steroid + NADH.,Catalytic activity:A 3-oxo-Delta(5)-steroid = a 3-oxo-Delta(4)-steroid.,Function:3-beta-HSD is a bifunctional enzyme, that catalyzes the oxidative conversion of Delta(5)-ene-3-beta-hydroxy steroid, and the oxidative conversion of ketosteroids. The 3-beta-HSD enzymatic system plays a crucial role in the biosynthesis of all classes of hormonal steroids.,pathway:Lipid metabolism; steroid biosynthesis.,similarity:Belongs to the 3-beta-HSD family.,tissue specificity:Placenta and skin. Predominantly expressed in mammary gland tissue.,

Validation Data



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

Contact information

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3BHS1 Rabbit pAb

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