



3BHS1 Polyclonal Antibody

Catalog No	YP-Ab-05223
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	HSD3B1 3BH HSDB3A
Immunogen	Synthesized peptide derived from human protein . at AA range: 30-110
Specificity	3BHS1 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 1;3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type I;3-beta-HSD I;3-beta-hydroxy-5-ene steroid dehydrogenase;3-beta-hydroxy-Delta(5)-steroid dehydrogenase;3BHS1;HSD3B1 3BH HSDB3A;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-hydro
Observed Band	41kD
Calculated Molecular Weight	41kD
Cell Pathway	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.,

Background

The protein encoded by this gene is an enzyme that catalyzes the oxidative conversion of delta-5-3-beta-hydroxysteroid precursors into delta-4-ketosteroids, which leads to the production of all classes of steroid hormones. The encoded protein also catalyzes the interconversion of 3-beta-hydroxy- and 3-keto-5-alpha-androstane steroids. [provided by RefSeq, Jun 2016],

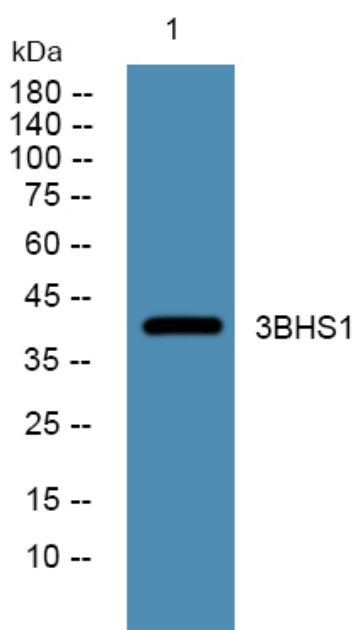
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



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