
HSD17B4 Rabbit pAb

Catalog Number: bs-11296R

Target Protein: HSD17B4

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), ICC/IF (1:100-500), ELISA (1:5000-10000)

Reactivity: (predicted:Human, Mouse, Rat, Pig, Sheep, Cow, Zebrafish, Chicken, GuineaPig, Horse)

Predicted MW: 47/80 kDa

Subcellular Cytoplasm

Locations:

Entrez Gene: 3295

Swiss Prot: P51659

Source: KLH conjugated synthetic peptide derived from human HSD17B4 Enoyl-CoA hydratase 2: 521-620/736.

Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 17Beta-HSD4 (17Beta-hydroxysteroid dehydrogenase type 4) is also known as peroxisomal multifunctional enzyme/protein 2 (MFE-2/MFP-2), D-bifunctional enzyme or 17-Beta Estradiol dehydrogenase type IV. It belongs to the 17Beta-HSD family of proteins that regulate the availability of steroids within various tissues throughout the body. 17Beta-HSD4 inactivates Estradiol through its oxidative activity but it is primarily involved in peroxisomal fatty acid and cholesterol Beta-oxidation. It has a multi-domain structure: the dehydrogenase domain is fused to a hydratase and a lipid transfer domain. 17Beta-HSD4 is a target protein of chromeceptin and it is essential for the downstream activation of Stat6. 17Beta-HSD4-deficient patients exhibit Zellweger-like syndrome and die within the first year of life. They display neuronal migration defects, facial dysmorphisms, severe hypotonia and convulsions in the neonatal period.

PRODUCT SPECIFIC PUBLICATIONS

[IF=5.201] Zhong Yuyi. et al. MIR143 Inhibits Steroidogenesis and Induces Apoptosis Repressed by H3K27me3 in Granulosa Cells. Front Cell Dev Biol. 2020 Oct;8:1159 WB ; Porcine . 33195195

[IF=4.2] Zhang, Weidong, et al. "Decrease in male mouse fertility by hydrogen sulfide and/or ammonia can Be inheritable." Chemosphere (2017). IHC ; ="Mouse" . 29202267