

## HSD17B4 polyclonal antibody

Catalog: BS60710

Host: Rabbit

Reactivity: Human, Mouse, Rat

### Background:

17 $\beta$ -HSD4 (17 $\beta$ -hydroxysteroid dehydrogenase type 4) is also known as peroxisomal multifunctional enzyme/protein 2 (MFE-2/MFP-2), D-bifunctional enzyme or 17- $\beta$  Estradiol 17 $\beta$ -HSD4 (17 $\beta$ -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 17 $\beta$ -HSD family of proteins that regulate the availability of steroids within various tissues throughout the body. 17 $\beta$ -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. 17 $\beta$ -HSD4 is a target protein of chromeceptin and it is essential for the downstream activation of Stat6. 17 $\beta$ -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:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 79 kDa

### Swiss-Prot:

P51659

### 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

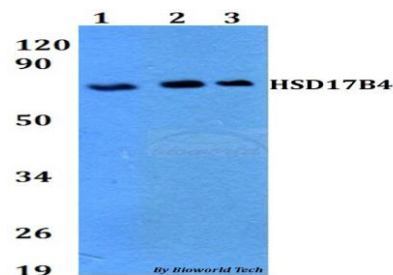
### Storage&Stability:

Store at 4  $^{\circ}$ C short term. Aliquot and store at -20  $^{\circ}$ C long term. Avoid freeze-thaw cycles.

### Specificity:

HSD17B4 polyclonal antibody detects endogenous levels of HSD17B4 protein.

### DATA:



Western blot (WB) analysis of HSD17B4 polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate

Lane2:Raw264.7 whole cell lysate

Lane3:PC12 whole cell lysate

### Note:

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

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