Anti Human HSD3B2 Monoclonal Antibody (Clone No. 12E4)

Primary Source: MGI: 5218
Type: Monoclonal
Immunogen: N terminal (a.a. 8-48) of HSD3B2, GST fused
Raised in: Mouse
Myeloma: P3U1
Clone number: 12E4
Isotype: IgG1,k
Source: Serum-free medium
Purification notes: ProteinG
Cross Reactivity: -
Concentration: 0.1 μg/mL
Label: WB
Content (Volume): 50 μg (200 μL/vial)
Buffer: Unlabeled PBS [containing 2 % Block Ace as a stabilizer, 0.1 %Proclin as a bacteriostat]

Function: HSD3B2 is a bifunctional enzyme, that catalyzes the oxidative conversion of Delta(5)-ene-3-beta-hydroxy steroid, and the oxidative conversion of ketosteroids. The HSD3B2 enzymatic system plays a crucial role in the biosynthesis of all classes of hormonal steroids.


Tissue specificity: Expressed in adrenal gland, testis and ovary.

Involvement in disease: Adrenal hyperplasia 2

Sequence similarities: Belongs to the 3-beta-HSD family.

Note

Western Blotting
Sample: COS7 cells transfected with HA-tagged HSD3B2/pEZ or others
Lane 1: COS7 cells transfected with empty vector pEZ
Lane 2: COS7 cells transfected with HA-tagged HSD3B1/pEZ
Lane 3: COS7 cells transfected with HA-tagged HSD3B2/pEZ
Provided from Dr. Doi M.
Graduate School of Pharmaceutical Sciences, Kyoto University


WARNING AND PRECAUTION

1. Not for diagnostic use. The safety and efficacy of product in diagnostic or other clinical uses has not been established.
2. Harmful by inhalation, in contact with skin and if swallowed. Do not breathe dust. Avoid contact with skin and eyes.
3. If contact with skin and eyes, wash all affected areas with large volume of water. If inflated remove to fresh air. In severe case obtain medical attention.
4. Wash hand thoroughly after handling the product.
5. Do not use this product if container is broken or some contaminants are detected.
6. When disposing the product, Close the container, ensure it does not fall inside or down.
7. Dispose of the container and expend reagents in accordance with federal, state and local government regulations.
8. Do not use the container and accessories of the product for other purpose.

Reference
Doi M. et al.: Isform-specific monoclonal antibodies against 3β-hydroxysteroid dehydrogenase/isomerase family provide markers for subclassification of human primary aldosteronism.