

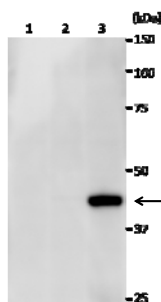


COSMO BIO CO., LTD.  
Inspiration for Life Science



Code No.KG619

| KG619 Anti Human HSD3B2 Monoclonal Antibody (Clone No. 12E4) |  | Gene ID 3284   |            |
|--|--|--|------------|
| Primary Source   | MGt: 5218  | Keyword  |            |
| Type   | Monoclonal   | HSD3B2, 3-Beta-HSD II, 3b-hydroxysteroid dehydrogenase/isomerase type II, hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 2 |            |
| Immunogen  | N terminal (a.a. 8-48) of HSD3B2, GST fused  |  |            |
| Raised in  | Mouse  |  |            |
| Myeloma  | P3U1   |  |            |
| Clone number   | 12E4   |  |            |
| Isotype  | IgG1, κ  |  |            |
| Source   | Serum-free medium  | Application  |            |
| Purification notes   | ProteinG   | WB   | 0.1 µg/mL  |
| Cross Reactivity   | -  | IHC  | 0.05 µg/mL |
| Concentration  | 0.25 mg/mL   | ICC  | Not tested |
| Contents (Volume)  | 50 µg (200 µL/vial)  | ELISA  | Available  |
| Label  | Unlabeled  | FCM  | Not tested |
| Buffer   | PBS [containing 2 % Block Ace as a stabilizer, 0.1 % Proclin as a bacteriostat]                | Neutralization   | Not tested |
| Storage  | Store below -20 °C. Once thawed, store at 4 °C. Repeated freeze-thaw cycles should be avoided. | IP   | Not tested |



#### 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



This product is generated from GANP® mice.

#### Note

//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.

//Subcellular location: Endoplasmic reticulum membrane; Single-pass membrane protein. Mitochondrion membrane; Single-pass membrane protein.

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

//Involvement in disease: Adrenal hyperplasia 2

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

#### Reference

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

J. Clin. Endocrinol. Metab. 2014, 99, E257-E262.

#### 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 inhaled 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 preserving the product, Close the container, ensure it does not fall aside or down.
7. Dispose of the container and expired reagents in accordance with federal, state and local government regulations.
8. Do not use the container and accessories of the product for other purpose.

#### 取り扱い上の注意

この添付文書をよく読んでから使用して下さい。

1. 本品は研究用試薬であり、医薬品その他の目的にはご使用になれません。
2. 取り扱い中は皮膚、粘膜、着衣に触れたり、目に入らないように適切な措置を行って下さい。
3. 試薬が眼や口に入った場合には、水で十分に洗い流すなどの応急処置を行い、必要があれば医師の手当を受けて下さい。
4. 取り扱い後には手洗いを十分に行ってください。
5. 容器の破損、異物混入等異常が認められた物は使用しないで下さい。
6. 試薬を保管する場合は、蓋をし、転倒落下防止を確実にし、指定の貯蔵方法で保管して下さい。
7. 使用後の容器は、廃棄物に関する規定に従って処理して下さい。
8. 容器、付属品等の他目的への転用は保証できません。

Manufactured by Trans Genic Inc.



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