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Datasheet for ABIN1391091

anti-HSD17B8 antibody (AA 174-220) (Alexa Fluor 350)

Overview

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| Quantity: | 100 µL |
| Target: | HSD17B8 |
| Binding Specificity: | AA 174-220 |
| Reactivity: | Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This HSD17B8 antibody is conjugated to Alexa Fluor 350 |
| Application: | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

Product Details

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|-----------------------|---|
| Immunogen: | KLH conjugated synthetic peptide derived from human HSD17B8 |
| Isotype: | IgG |
| Cross-Reactivity: | Mouse |
| Predicted Reactivity: | Human,Rat,Rabbit |
| Purification: | Purified by Protein A. |

Target Details

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|-------------------|--|
| Target: | HSD17B8 |
| Alternative Name: | HSD17B8 (HSD17B8 Products) |

Target Details

Background: Synonyms: 17 beta HSD 8, 17 beta hydroxysteroid dehydrogenase 8, 17-beta-HSD 8, 17-beta-hydroxysteroid dehydrogenase 8, 3-oxoacyl-[acyl-carrier-protein] reductase, Beta ketoacyl [acyl carrier protein] reductase like, D6S2245E, DHB8_HUMAN, dJ1033B10.9, Estradiol 17 beta dehydrogenase 8, Estradiol 17-beta-dehydrogenase 8, Estrogen 17 oxidoreductase, FABG, FABGL, H2 KE6, HKE6, HSD17B8, Hydroxysteroid 17 beta dehydrogenase 8, 17beta hydroxysteroid dehydrogenase type 8, Ke-6, KE6, Protein Ke6, Really interesting new gene 2 protein, RING2, SDR30C1, Short chain dehydrogenase/reductase family 30C member 1, Testosterone 17 beta dehydrogenase 8, Testosterone 17-beta-dehydrogenase 8.

Background: 17beta-HSD8 belongs to the 17beta-HSD family of proteins that regulate the availability of steroids within a tissue. 17beta-HSD8 converts active steroids to their inactive form through its oxidative activity. It is a key player in the inactivation of Estradiol and Testosterone. 17beta-HSD8 is predominantly expressed in placenta, endometrium and prostate but can also be found in liver, and pancreas, with lowest levels found in testis, ovary and kidney. It has been proposed that a reduction in the levels of 17beta-HSD8 may lead to abnormal elevations in the local level of sex steroids, which can lead to recessive renal cystic disease. It has also been suggested that low levels of 17beta-HSD proteins may result in an underdeveloped urogenital system.

Gene ID: 7923

Pathways: [Steroid Hormone Biosynthesis](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Handling

| | |
|--------------------|--|
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
| Expiry Date: | 12 months |