

Product Name: 17 β -HSD11 Rabbit Polyclonal Antibody
Catalog #: APRab06288



Summary

Production Name	17 β -HSD11 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	HSD17B11
Alternative Names	HSD17B11; DHRS8; PAN1B; PSEC0029; Estradiol 17-beta-dehydrogenase 11; 17-beta-hydroxysteroid dehydrogenase 11; 17-beta-HSD 11; 17bHSD11; 17betaHSD11; 17-beta-hydroxysteroid dehydrogenase XI; 17-beta-HSD XI; 17betaHSDXI; Cutaneous T-cell lym
Gene ID	51170.0
SwissProt ID	Q8NBQ5.The antiserum was produced against synthesized peptide derived from human DHRS8. AA range:71-120

Application

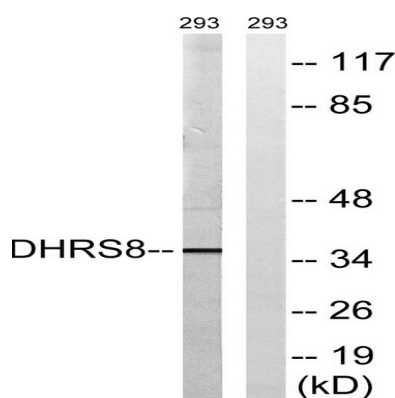
Dilution Ratio	WB 1:500 - 1:2000. ELISA: 1:5000. Not yet tested in other applications.
Molecular Weight	36kD

Background

Short-chain alcohol dehydrogenases, such as HSD17B11, metabolize secondary alcohols and ketones (Brereton et al., 2001 [PubMed 11165019]).[supplied by OMIM, Jun 2009],catalytic activity:Estradiol-17-beta + NAD(P)(+) = estrone + NAD(P)H.,function:Can convert androstan-3-alpha,17-beta-diol (3-alpha-diol) to androsterone in vitro, suggesting that it may participate in androgen metabolism during steroidogenesis. May act by metabolizing compounds that stimulate steroid synthesis and/or by generating metabolites that inhibit it. Has no activity toward DHEA (dehydroepiandrosterone), or A-dione (4-androste-3,17-dione), and only a slight activity toward testosterone to A-dione. Tumor-associated antigen in cutaneous T-cell lymphoma.,similarity:Belongs to the short-chain dehydrogenases/reductases (SDR) family. 17-beta-HSD 3 subfamily.,tissue specificity:Present at high level in steroidogenic cells such as syncytiotrophoblasts, sebaceous gland, Leydig cells, and granulosa cells of the dominant follicle and corpus luteum. In lung, it is detected in the ciliated epithelium and in acini of adult trachea, in bronchioles, but not in alveoli. In the eye, it is detected in the nonpigmented epithelium of the ciliary body and, at lower level, in the inner nuclear layer of the retina (at protein level). Widely expressed. Highly expressed in retina, pancreas, kidney, liver, lung, adrenal, small intestine, ovary and heart.,

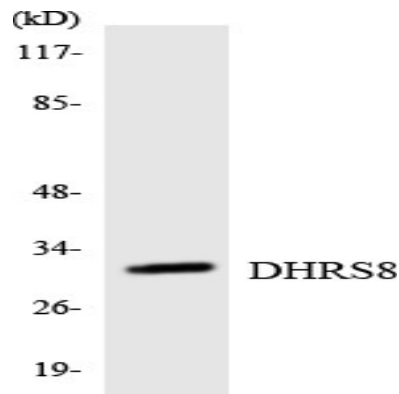
Research Area

Image Data

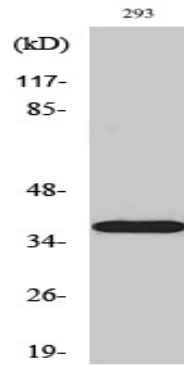


Western blot analysis of lysates from 293 cells, using DHRS8 Antibody. The lane on the right is blocked with the synthesized peptide.

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Western blot analysis of the lysates from RAW264.7 cells using DHRS8 antibody.



Western Blot analysis of various cells using 17 β -HSD11 Polyclonal Antibody

Note

For research use only.