

17β-HSD11 Rabbit pAb

CatalogNo: YT0013 Orthogonal Validated 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IF, ELISA

MW

- 36kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000

ELISA 1:5000

IF 1:100-300

Not yet tested in other applications.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human DHRS8. AA range:71-120

Specificity 17β-HSD11 Polyclonal Antibody detects endogenous levels of 17β-HSD11 protein.

Target Information

Gene name HSD17B11

Protein Name Estradiol 17-beta-dehydrogenase 11

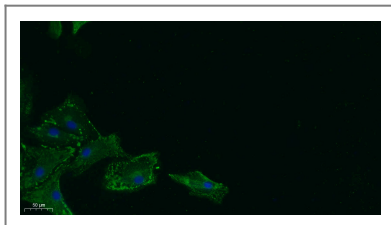
Organism	Gene ID	UniProt ID
Human	51170 ;	Q8NBQ5 ;
Mouse		Q9EQ06 ;

Cellular Localization Endoplasmic reticulum . Lipid droplet . Redistributed from the endoplasmic reticulum to lipids droplets in the cell upon induction of lipids droplet formation. .

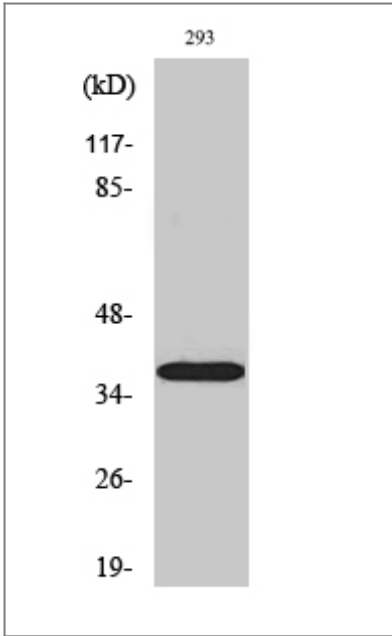
Tissue specificity Present at high level in steroidogenic cells such as syncytiotrophoblasts, sebaceous gland, Leydig cells, and granulosa cells of the dominant follicle and corpus luteum. In lung, it is detected in the ciliated epithelium and in acini of adult trachea, in bronchioles, but not in alveoli. 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.

Function 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.,

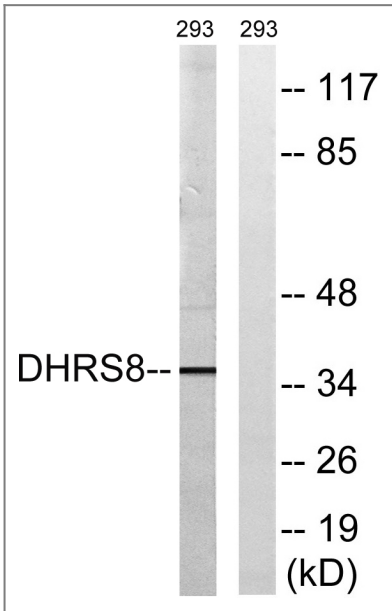
Validation Data



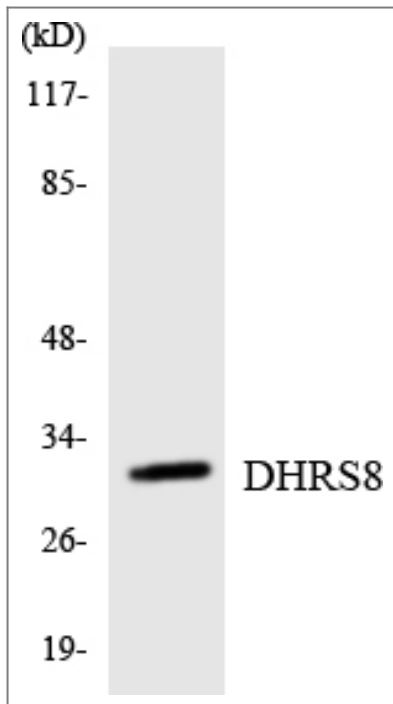
Immunofluorescence analysis of A549. 1,primary Antibody was diluted at 1:200(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 488 Secondary antibody was diluted at 1:1000(room temperature, 50min).3, DAPI(blue) 10min.



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



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



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

Contact information

Orders: order@immunoway.com
Support: tech@immunoway.com
Telephone: 877-594-3616 (Toll Free), 408-747-0185
Website: <http://www.immunoway.com>
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code to access additional product information:
17β-HSD11 Rabbit pAb

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