

17 β -HSD11 Polyclonal Antibody

Catalog No :	YT0013
Reactivity :	Human;Rat;Mouse;
Applications :	WB;IF;ELISA
Target :	17 β -HSD11
Gene Name :	HSD17B11
Protein Name :	Estradiol 17-beta-dehydrogenase 11
Human Gene Id :	51170
Human Swiss Prot No :	Q8NBQ5
Mouse Swiss Prot No :	Q9EQ06
Immunogen :	The antiserum was produced against synthesized peptide derived from human DHRS8. AA range:71-120
Specificity :	17 β -HSD11 Polyclonal Antibody detects endogenous levels of 17 β -HSD11 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:5000. IF 1:100-300 Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 36kD

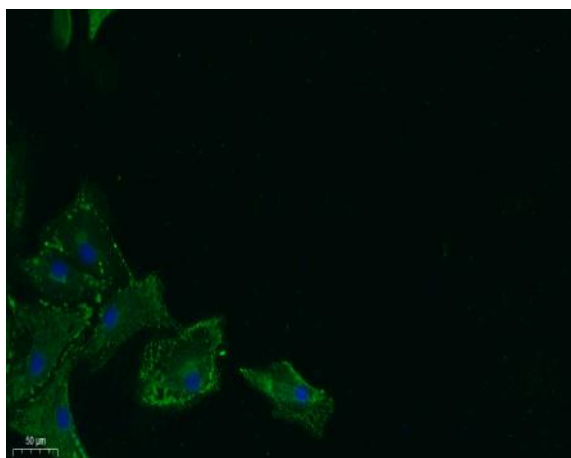
Background : Short-chain alcohol dehydrogenases, such as HSD17B11, metabolize secondary alcohols and ketones (Brereton et al., 2001 [PubMed 11165019]).[supplied by OMIM, Jun 2009],

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 ep

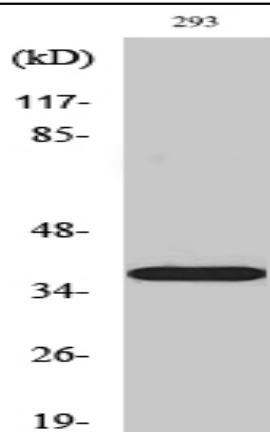
Subcellular Location : Endoplasmic reticulum . Lipid droplet . Redistributed from the endoplasmic reticulum to lipids droplets in the cell upon induction of lipids droplet formation. .

Expression : 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.

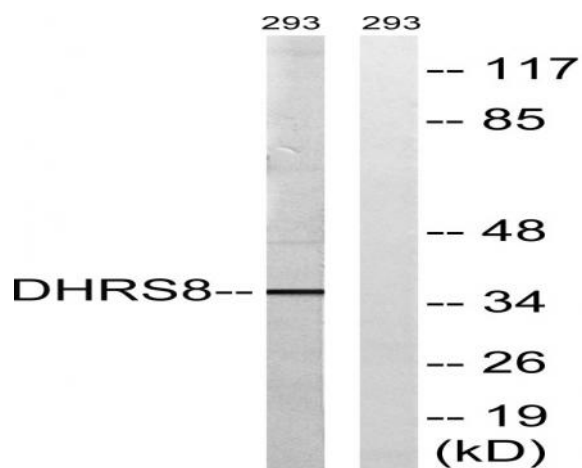
Products Images



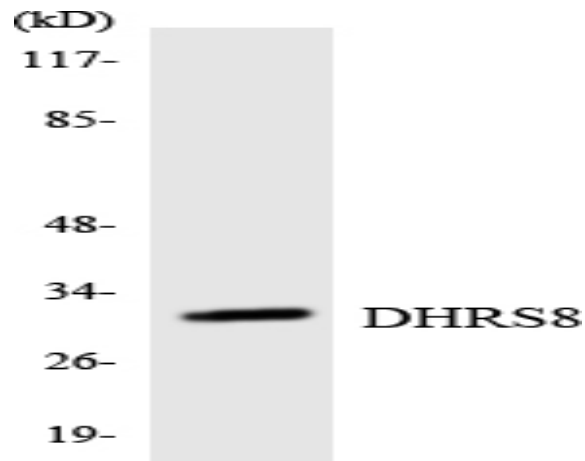
Immunofluorescence analysis of A549. 1,primary Antibody was diluted at 1:200(4 °C overnight). 2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 488 Secondary antibody was diluted at 1:1000(room temperature, 50min).3, Picture B: DAPI(blue) 10min.



Western Blot analysis of various cells using 17 β -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.