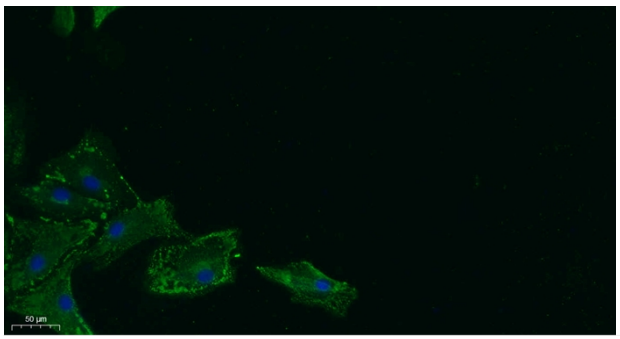
17β-HSD11 Polyclonal Antibody

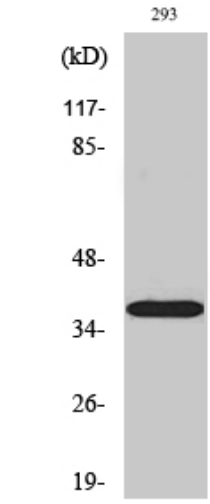
Catalog No	BYab-18853
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IF;ELISA
Gene Name	HSD17B11
Protein Name	Estradiol 17-beta-dehydrogenase 11
Immunogen	The antiserum was produced against synthesized peptide derived from human DHRS8. AA range:71-120
Specificity	17β-HSD11 Polyclonal Antibody detects endogenous levels of 17β-HSD11 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/5000. IF 1:100-300 Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	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
Observed Band	36kD
Cell Pathway	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 ep
Background	Short-chain alcohol dehydrogenases, such as HSD17B11, metabolize secondary alcohols and ketones (Brereton et al., 2001 [PubMed 11165019]).[supplied by OMIM, Jun 2009],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

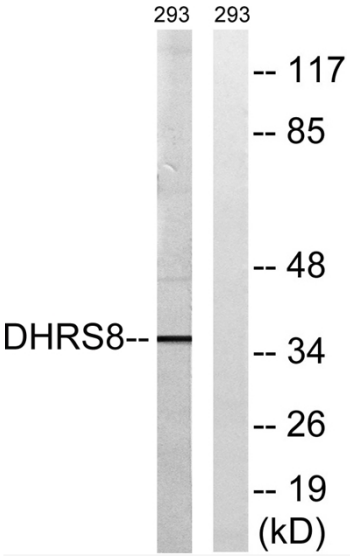
Products Images



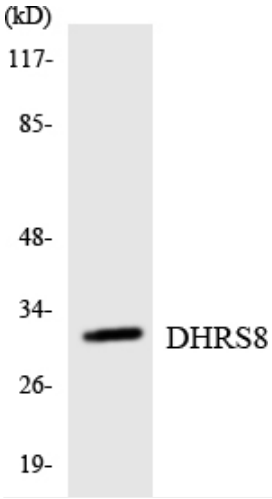
Immunofluorescence analysis of A549. 1,primary Antibody was diluted at 1:200(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 488 Secondary antibody was diluted at 1:1000(room temperature, 50min).3, Picture B: DAPI(blue) 10min.



Western Blot analysis of various cells using 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 RAW264.7cells using DHRS8 antibody.