



17 β -HSD11 Monoclonal Antibody

Catalog No	YP-mAb-02444
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	HSD17B11
Immunogen	The antiserum was produced against synthesized peptide derived from human DHRS8. AA range:71-120
Specificity	17 β -HSD11 Monoclonal 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	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	17-beta-HSD XI;17-beta-HSD 11;17 BETA HSDXI;17 BETA HSD11;17 beta HSD XI;17 β -HSD11;HSD17B11;Estradiol 17-beta-dehydrogenase 11;DHRS8; PAN1B;PSEC0029;17-beta-hydroxysteroid dehydrogenase 11;17bHSD11; 17betaHSD11;17-beta-hydroxysteroid dehydrogenase XI;17betaHSDXI; Cutaneous T-cell lym
Observed Band	36kD
Calculated Molecular Weight	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],

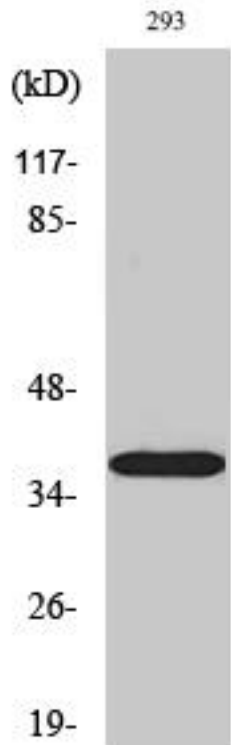
matters needing attention

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



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