

# 17β-HSD11 Polyclonal Antibody

Catalog # AP68196

## **Product Information**

Application	WB
Primary Accession	<u>Q8NBQ5</u>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	32964

#### **Additional Information**

Gene ID	51170
Other 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
Dilution	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

#### **Protein Information**

Name	HSD17B11
Synonyms	DHRS8, PAN1B, SDR16C2
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.
Cellular Location	Endoplasmic reticulum {ECO:0000250 UniProtKB:Q9EQ06}. Lipid droplet {ECO:0000250 UniProtKB:Q9EQ06}. Note=Redistributed from the endoplasmic reticulum to lipids droplets in the cell upon induction of lipids droplet formation. {ECO:0000250 UniProtKB:Q9EQ06}

**Tissue Location** 

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.

### Background

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.

#### Images



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