

## HSD17B7 Rabbit pAb

CatalogNo: YN6803

### | Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB

#### MW

- 38kD (Calculated)

#### Isotype

- IgG

### | Recommended Dilution Ratios

WB 1:500-2000

### | 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.

### | Basic Information

#### Clonality

Polyclonal

### | Immunogen Information

#### Immunogen

Synthesized peptide derived from human HSD17B7

#### Specificity

This antibody detects endogenous levels of HSD17B7 at Human, Mouse, Rat

### | Target Information

#### Gene name

HSD17B7 UNQ2563/PRO6243

<b>Protein Name</b>	3-keto-steroid reductase (17-beta-hydroxysteroid dehydrogenase 7) (17-beta-HSD 7) (Estradiol 17-beta-dehydrogenase 7) (EC 1.1.1.62)		
	<b>Organism</b>	<b>Gene ID</b>	<b>UniProt ID</b>
	Human	<a href="#">51478</a> ;	<a href="#">P56937</a> ;
	Mouse	<a href="#">15490</a> ;	<a href="#">O88736</a> ;
	Rat	<a href="#">29540</a> ;	<a href="#">Q62904</a> ;
<b>Cellular Localization</b>	Endoplasmic reticulum membrane ; Single-pass membrane protein .		
<b>Tissue specificity</b>	Highly expressed in adrenal gland, liver, lung and thymus. Expressed in breast, ovaries, pituitary gland, pregnant uterus, prostate, kidney, lymph node, small intestine, spinal cord and trachea. Weakly expressed in all other tissues tested. ; [Isoform 3]: Expressed in eye ciliary epithelial cells and neuroendocrine cells.		
<b>Function</b>	Bifunctional enzyme involved in steroid-hormone metabolism and cholesterol biosynthesis . Catalyzes the NADP(H)-dependent reduction of estrogens and androgens and regulates the biological potency of these steroids. Converts estrone (E1) to a more potent estrogen, 17beta-estradiol (E2) . Converts dihydrotestosterone (DHT) to its inactive form 5a-androstane-3b,17b-diol . Converts moderately progesterone to 3beta-hydroxypregn-4-ene-20-one, leading to its inactivation . Additionally, participates in the post-squalene cholesterol biosynthesis, as a 3-ketosteroid reductase . ; [Isoform 3]: Does not have enzymatic activities toward E1 and DHT.		

| Validation Data

| Contact information

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