



HSD17B7 Mouse mAb

Catalog No	YP-mAb-19138
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	HSD17B7 UNQ2563/PRO6243
Immunogen	Synthesized peptide derived from human HSD17B7
Specificity	This antibody detects endogenous levels of HSD17B7 at Human, Mouse,Rat
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 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PRAP;SDR37C1;HSD17B7;HSD17B7 UNQ2563/PRO6243;3-keto-steroid reductase (17-beta-hydroxysteroid dehydrogenase 7) (17-beta-HSD 7) (Estradiol 17-beta-dehydrogenase 7) (EC 1.1.1.62)
Observed Band	38kDa
Calculated Molecular Weight	38kDa
Cell Pathway	Endoplasmic reticulum membrane ; Single-pass membrane protein .
Tissue Specificity	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.
Function	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.

Background

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

