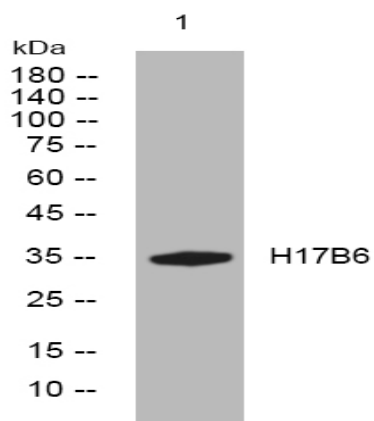


H17B6 rabbit pAb

Catalog No :	YT7271
Reactivity :	Human;Mouse;Rat
Applications :	WB
Target :	H17B6
Fields :	>>Steroid hormone biosynthesis;>>Retinol metabolism;>>Metabolic pathways;>>Biosynthesis of cofactors
Gene Name :	HSD17B6 RODH
Protein Name :	H17B6
Human Gene Id :	8630
Human Swiss Prot No :	O14756
Mouse Gene Id :	27400
Mouse Swiss Prot No :	Q9R092
Rat Gene Id :	286964
Rat Swiss Prot No :	O54753
Immunogen :	Synthesized peptide derived from human H17B6 AA range: 28-78
Specificity :	This antibody detects endogenous levels of H17B6 at Human/Mouse/Rat
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	35kD
Background :	The protein encoded by this gene has both oxidoreductase and epimerase activities and is involved in androgen catabolism. The oxidoreductase activity can convert 3 alpha-adiol to dihydrotestosterone, while the epimerase activity can convert androsterone to epi-androsterone. Both reactions use NAD ⁺ as the preferred cofactor. This gene is a member of the retinol dehydrogenase family. [provided by RefSeq, Aug 2013],
Function :	catalytic activity:Estradiol-17-beta + NAD(P)(+) = estrone + NAD(P)H.,catalytic activity:Retinol + NAD(+) = retinal + NADH.,catalytic activity:Testosterone + NAD(+) = androst-4-ene-3,17-dione + NADH.,function:NAD-dependent oxidoreductase with broad substrate specificity that shows both oxidative and reductive activity (in vitro). Has 17-beta-hydroxysteroid dehydrogenase activity towards various steroids (in vitro). Converts 5-alpha-androstan-3-alpha,17-beta-diol to androsterone and estradiol to estrone (in vitro). Has 3-alpha-hydroxysteroid dehydrogenase activity towards androsterone (in vitro). Has retinol dehydrogenase activity towards all-trans-retinol (in vitro). Can convert androsterone to epi-androsterone. Androsterone is first oxidized to 5-alpha-androstane-3,17-dione and then reduced to epi-andosterone. Can act on both C-19 and C-21 3-alpha-hydroxysteroids.,similarity:Belongs to
Subcellular Location :	Microsome membrane ; Peripheral membrane protein ; Lumenal side . Early endosome membrane ; Peripheral membrane protein ; Lumenal side .
Expression :	Detected in liver and prostate (at protein level). Detected in adult liver, lung, brain, placenta, prostate, adrenal gland, testis, mammary gland, spleen, spinal cord and uterus. Detected in caudate nucleus, and at lower levels in amygdala, corpus callosum, hippocampus, substantia nigra and thalamus. Detected in fetal lung, liver and brain.

Products Images



Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4° over night