

HSD17B6 (D1T5H) Rabbit mAb

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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 29	Source/Isotype: Rabbit IgG	UniProt ID: #O14756	Entrez-Gene Id: 8630
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Product Usage Information	Application Western Blotting	Dilution 1:1000
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.	
Specificity/Sensitivity	HSD17B6 (D1T5H) Rabbit mAb recognizes endogenous levels of total HSD17B6 protein.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Leu220 of human HSD17B6 protein.	
Background	The type 6 17-β-hydroxysteroid dehydrogenase (HSD17B6, 17-β-HSD 6) regulates cellular hydroxysteroids by catalyzing the conversion of androsterone to epiandrosterone (1). This enzyme displays both oxidoreductase and epimerase activities, and is also known as 3(α->β)-hydroxysteroid epimerase. The interaction between HSD17B6 and hydroxysteroid compounds has an important effect on steroid activity as these compounds typically act in a stereo-specificity manner (1). Research studies show that the transcriptional activity of androgen receptor in prostate cell lines treated by androstenediol correlates with HSD17B6 protein level, which suggests an important role for enzyme in prostate cancer growth (2).	
Background References	<ol style="list-style-type: none"> Huang, X.F. and Luu-The, V. (2000) <i>J Biol Chem</i> 275, 29452-7. Mohler, J.L. et al. (2011) <i>Cancer Res</i> 71, 1486-96. 	
Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).	
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween@ 20 at 4°C with gentle shaking, overnight.	
Applications Key	W: Western Blotting	
Cross-Reactivity Key	H: Human	
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