

Store at
-20°C
#14669

HSD17B6 (D1T5H) Rabbit mAb

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Entrez-Gene ID #8630
UniProt ID #O14756

New 12/14

For Research Use Only. Not For Use In Diagnostic Procedures.

Applications W Endogenous	Species Cross-Reactivity* H	Molecular Wt. 29 kDa	Isotype Rabbit IgG**
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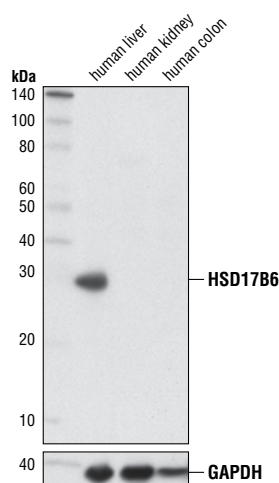
Background: The type 6 17- β -hydroxysteroid dehydrogenase (HSD17B6, 17- β -HSD 6) regulates cellular hydroxysteroids by catalyzing the conversion of androsterone to epiandrosterone (1). This enzyme displays both oxidoreductase and epimerase activities, and is also known as 3(α - β)-hydroxysteroid epimerase. 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 androstane-diol correlates with HSD17B6 protein level, which suggests an important role for the enzyme in prostate cancer growth (2).

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 References:

- (1) Huang, X.F. and Luu-The, V. (2000) *J Biol Chem* 275, 29452-7.
- (2) Mohler, J.L. et al. (2011) *Cancer Res* 71, 1486-96.



Western blot analysis of extracts from human liver (positive), kidney (negative), and colon (negative) tissues using HSD17B6 (D1T5H) Rabbit mAb (upper) and GAPDH (D16H11) XP[®] Rabbit mAb #5174 (lower).

Storage: Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C . Do not aliquot the antibody.

***Species cross-reactivity is determined by western blot.**

****Anti-rabbit secondary antibodies must be used to detect this antibody.**

Recommended Antibody Dilutions:

Western blotting 1:1000

For product specific protocols and a complete listing of recommended companion products please see the product web page at www.cellsignal.com

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IMPORTANT: For western blots, incubate membrane with diluted antibody in 5% w/v BSA, 1X TBS, 0.1% Tween[®]20 at 4°C with gentle shaking, overnight.

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Applications: W—Western IP—Immunoprecipitation IHC—Immunohistochemistry ChIP—Chromatin Immunoprecipitation IF—Immunofluorescence F—Flow cytometry E-P—ELISA-Peptide Species Cross-Reactivity: H—human M—mouse R—rat Hm—hamster Mk—monkey Mi—mink C—chicken Dm—D. melanogaster X—Xenopus Z—zebrafish B—bovine Dg—dog Pg—pig Sc—S. cerevisiae Ce—C. elegans Hr—Horse All—all species expected Species enclosed in parentheses are predicted to react based on 100% homology.