

**HSD3B7 Antibody (aa121-170)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS15901****Specification**

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**HSD3B7 Antibody (aa121-170) - Product Information**

Application	WB, IHC-P, E
Primary Accession	<a href="#">Q9H2F3</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A E~~N/A

**HSD3B7 Antibody (aa121-170) - Additional Information****Gene ID** 80270**Other Names**

3 beta-hydroxysteroid dehydrogenase type 7, 3 beta-hydroxysteroid dehydrogenase type VII, 3-beta-HSD VII, 3-beta-hydroxy-Delta(5)-C27 steroid oxidoreductase, C(27) 3-beta-HSD, 1.1.1.-, Cholest-5-ene-3-beta, 7-alpha-diol 3-beta-dehydrogenase, 1.1.1.181, HSD3B7

**Target/Specificity**

HSD3B7 Antibody detects endogenous levels of total HSD3B7 protein.

**Reconstitution & Storage**

Store at -20°C for up to one year.

**Precautions**

HSD3B7 Antibody (aa121-170) is for research use only and not for use in diagnostic or therapeutic procedures.

**HSD3B7 Antibody (aa121-170) - Protein Information****Name** HSD3B7 ([HGNC:18324](#))**Function**

The 3-beta-HSD enzymatic system plays a crucial role in the biosynthesis of all classes of hormonal steroids. HSD VII is active against four 7-alpha-hydroxylated sterols. Does not metabolize several different C(19/21) steroids as substrates. Involved in bile acid synthesis (PubMed:<a href="http://www.uniprot.org/citations/11067870" target="\_blank">11067870</a>). Plays a key role in cell positioning and movement in lymphoid tissues by mediating degradation of 7-alpha,25- dihydroxycholesterol (7-alpha,25-OHC): 7-alpha,25-OHC acts as a ligand for the G protein-coupled receptor GPR183/EBI2, a chemotactic receptor for a number of lymphoid cells (By similarity).

**Cellular Location**

Endoplasmic reticulum membrane; Multi-pass membrane protein

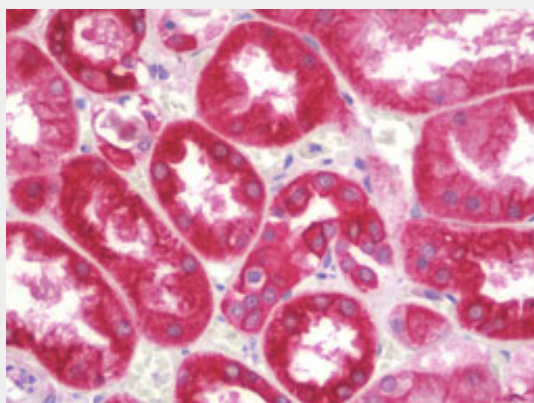
**Volume**

50  $\mu$ l

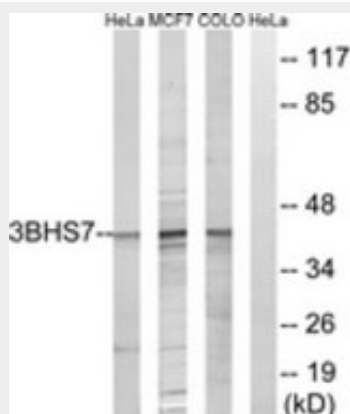
**HSD3B7 Antibody (aa121-170) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**HSD3B7 Antibody (aa121-170) - Images**

Anti-HSD3B7 antibody IHC staining of human kidney.



Western blot of extracts from HeLa/MCF-7/COLO cells, using HSD3B7 Antibody.

**HSD3B7 Antibody (aa121-170) - Background**

The 3-beta-HSD enzymatic system plays a crucial role in the biosynthesis of all classes of

hormonal steroids. HSD VII is active against four 7-alpha-hydroxylated sterols. Does not metabolize several different C(19/21) steroids as substrates. Involved in bile acid synthesis.

#### **HSD3B7 Antibody (aa121-170) - References**

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Ota T.,et al.Nat. Genet. 36:40-45(2004).

Martin J.,et al.Nature 432:988-994(2004).

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Cheng J.B.,et al.J. Clin. Endocrinol. Metab. 88:1833-1841(2003).