OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850
UNITED STATES
Phone: +1-888-267-4436
Fax: +1-301-340-8606
techsupport@origene.com

OriGene Technologies GmbH
Schillerstr. 5
32052 Herford
GERMANY
Phone: +49-5221-34606-0
Fax: +49-5221-34606-11
info-de@origene.com

AP33214PU-N Polyclonal Antibody to 3-beta HSD7 / HSD3B7 (121-170) - Aff - Purified

Alternate names: 3 beta-hydroxysteroid dehydrogenase type 7, 3 beta-hydroxysteroid dehydrogenase type VII, 3-beta-hydroxy-Delta(5)-C27 steroid oxidoreductase, 7-alpha-diol 3-beta-dehydrogenase, Cholest-5-ene-3-beta

Quantity: 50 µl

Background: HSD3B7 is an enzyme which is involved in the initial stages of the synthesis of bile acids from cholesterol and a member of the short-chain dehydrogenase/reductase superfamily. The encoded protein is a membrane-associated endoplasmic reticulum protein which is active against 7-alpha hydrosylated sterol substrates. Mutations in this gene are associated with a congenital bile acid synthesis defect which leads to neonatal cholestasis, a form of progressive liver disease.

Uniprot ID: Q9H2F3

NCBI: NP_079469.2

GeneID: 80270

Host / Isotype: Rabbit / IgG

Immunogen: Synthetic peptide derived from internal region (121-170) of Human HSD3B7

Format:
State: Liquid purified IgG fraction
Purification: Immunoaffinity Chromatography
Buffer System: PBS (without Mg^{2+} and Ca^{2+}), pH 7.4, 150mM NaCl, 0.02% Sodium Azide and 50% Glycerol

Applications:
ELISA: 1/20000.
Immunohistochemistry on Paraffin Sections: 1/100.
Western Blot: 1/500 - 1/1000.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Molecular Weight: 41kDa

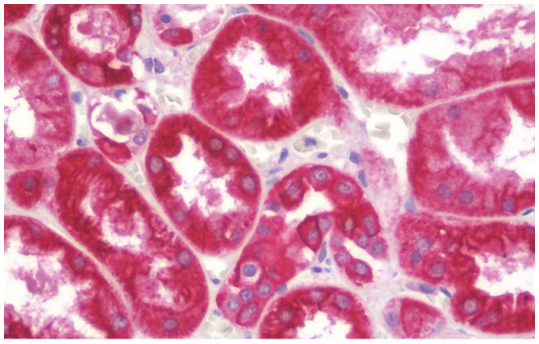
Specificity: This antibody detects endogenous levels of total HSD3B7 protein.

Species Reactivity: **Tested:** Human, Mouse, Rat

Storage: Upon receipt, store undiluted (in aliquots) at -20°C.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

Pictures:

Formalin-Fixed, Paraffin-Embedded Human Kidney stained with HSD3B7 Antibody Cat.-No AP33214PU-N



Western blot analysis of extracts from HeLa/MCF-7/COLO cells, using HSD3B7 Antibody Cat.-No AP33214PU-N. The lane on the right is treated with the synthesized peptide