

HSD3B7 rabbit monoclonal antibody

Catalog # H00080270-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human HSD3B7 peptide using ARM Technology.
Immunogen	A synthetic peptide of human HSD3B7 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human HSD3B7 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — HSD3B7

Entrez GeneID	80270
GeneBank Accession#	HSD3B7
Gene Name	HSD3B7
Gene Alias	PFIC4, SDR11E3
Gene Description	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 7
Omim ID	607764 607765
Gene Ontology	Hyperlink
Gene Summary	This gene encodes 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 hydroxylated 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. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	3 beta-hydroxy-delta 5-C27-steroid oxidoreductase 3 beta-hydroxysteroid dehydrogenase type VII 3-beta-HSD VII C(27)-3BETA-HSD short chain dehydrogenase/reductase family 11E, member 3

Pathway

- [Metabolic pathways](#)
- [Primary bile acid biosynthesis](#)