

Rabbit HSD17B3 Polyclonal Antibody | anti-HSD17B3 antibody

Anti-HSD17B3 Antibody Picoband

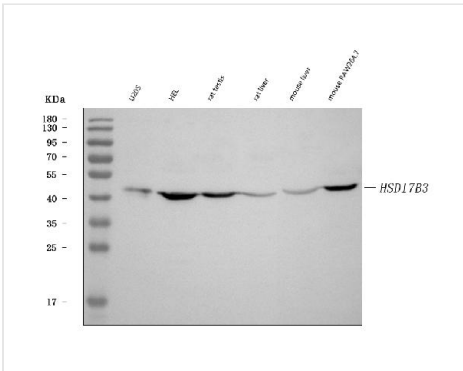
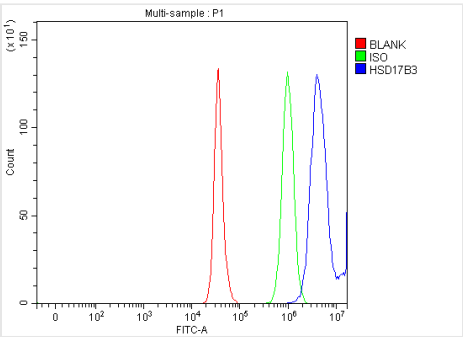
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126356	Rabbit	Human, Mouse, Rat	Western Blot, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

HSD17B3; Polyclonal Antibody; Anti-HSD17B3 Antibody Picoband; anti-HSD17B3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-HSD17B3 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence of human HSD17B3 (NLLPSHFLNAPDEIQSLIH).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of HepG2 cells using anti-HSD17B3 antibody (AAA126356).Overlay histogram showing HepG2 cells stained with AAA126356 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-HSD17B3 Antibody (AAA126356, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.

WB (Western Blot)
Figure 1. Western blot analysis of HSD17B3 using anti-HSD17B3 antibody (AAA126356).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human U2OS whole cell lysates,Lane 2: human HEL whole cell lysates,Lane 3: rat testis tissue lysates,Lane 4: rat liver tissue lysates,Lane 5: mouse liver tissue lysates,Lane 6: mouse RAW264.7 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-HSD17B3 antigen affinity purified polyclonal antibody (#AAA126356) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for HSD17B3 at approximately 40 kDa. The expected band size for HSD17B3 is at 40 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-HSD17B3 antibody	17beta-Hydroxysteroid dehydrogenase 3 (17beta-HSD3) is an enzyme that in humans is encoded by the HSD17B3 gene and is involved in androgen steroidogenesis. This isoform of 17 beta-hydroxysteroid dehydrogenase is expressed predominantly in the testis and catalyzes the conversion of androstenedione to testosterone. It preferentially uses NADP as cofactor. Deficiency can result in male pseudohermaphroditism with gynecomastia.
Product Categories/Family for anti-HSD17B3 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557649
NCBI GeneID	3293
NCBI Accession #	NP_000188.1
NCBI GenBank Nucleotide #	NM_000197.1
UniProt Accession #	P37058
Molecular Weight	34,516 Da
NCBI Official Full Name	testosterone 17-beta-dehydrogenase 3
NCBI Official Synonym Full Names	hydroxysteroid (17-beta) dehydrogenase 3
NCBI Official Symbol	HSD17B3
NCBI Official Synonym Symbols	EDH17B3; SDR12C2
NCBI Protein Information	testosterone 17-beta-dehydrogenase 3; 17-beta-HSD3; 17-beta-HSD 3; 17-beta-hydroxysteroid dehydrogenase type 3; testicular 17-beta-hydroxysteroid dehydrogenase; short chain dehydrogenase/reductase family 12C, member 2

UniProt Protein Name	Testosterone 17-beta-dehydrogenase 3
UniProt Gene Name	HSD17B3
UniProt Synonym Gene Names	EDH17B3; 17-beta-HSD 3
UniProt Entry Name	DHB3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hsd17b3-antibody-western-blot-flow-cytometry-elisa/126356>