

Rabbit HSD17B8 Polyclonal Antibody | anti-HSD17B8 antibody

Anti-HSD17B8 Antibody Picoband

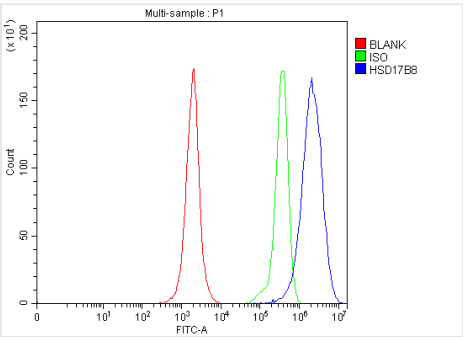
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126534	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

HSD17B8; Polyclonal Antibody; Anti-HSD17B8 Antibody Picoband; anti-HSD17B8 antibody

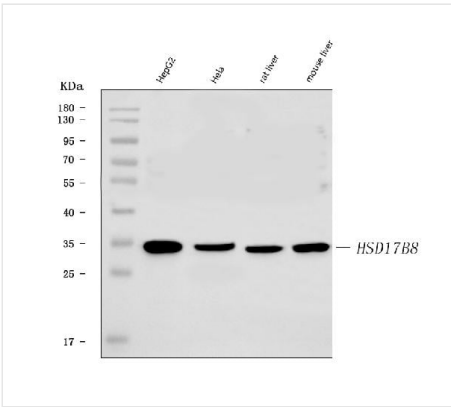
PRODUCT SPECIFICATIONS

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-HSD17B8 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human HSD17B8 recombinant protein (Position: D42-D244).
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 JK cells using anti-HSD17B8 antibody (AAA126534).Overlay histogram showing JK cells stained with AAA126534 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-HSD17B8 Antibody (AAA126534, 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 HSD17B8 using anti-HSD17B8 antibody (AAA126534).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 HepG2 whole cell lysates,Lane 2: human Hela whole cell lysates,Lane 3: rat liver tissue lysates,Lane 4: mouse liver tissue 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-HSD17B8 antigen affinity purified polyclonal antibody (#AAA126534) 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 HSD17B8 at approximately 34 kDa. The expected band size for HSD17B8 is at 34 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-HSD17B8 antibody	Estradiol 17 beta-dehydrogenase 8 is an enzyme that in humans is encoded by the HSD17B8 gene. In mice, the Ke6 protein is a 17-beta-hydroxysteroid dehydrogenase that can regulate the concentration of biologically active estrogens and androgens. It is preferentially an oxidative enzyme and inactivates estradiol, testosterone, and dihydrotestosterone. However, the enzyme has some reductive activity and can synthesize estradiol from estrone. The protein encoded by this gene is similar to Ke6 and is a member of the short-chain dehydrogenase superfamily. An alternatively spliced transcript of this gene has been detected, but the full-length nature of this variant has not been determined.
Product Categories/Family for anti-HSD17B8 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	15277342
NCBI GeneID	7923
NCBI Accession #	NP_055049.1
NCBI GenBank Nucleotide #	NM_014234.4
UniProt Accession #	Q92506; Q5STP7; Q9UIQ1; A6NLX7
Molecular Weight	26,974 Da
NCBI Official Full Name	estradiol 17-beta-dehydrogenase 8
NCBI Official Synonym Full Names	hydroxysteroid (17-beta) dehydrogenase 8
NCBI Official Symbol	HSD17B8
NCBI Official Synonym Symbols	KE6; FABG; HKE6; FABGL; RING2; H2-KE6; SDR30C1; D6S2245E; dJ1033B10.9

NCBI Protein Information	estradiol 17-beta-dehydrogenase 8; 17-beta-HSD 8; 17-beta-hydroxysteroid dehydrogenase 8; 3-oxoacyl-[acyl-carrier-protein] reductase; estrogen 17-oxidoreductase; ke-6; protein Ke6; really interesting new gene 2 protein; short chain dehydrogenase/reductase
UniProt Protein Name	Estradiol 17-beta-dehydrogenase 8
UniProt Gene Name	HSD17B8
UniProt Synonym Gene Names	FABGL; HKE6; RING2; 17-beta-HSD 8; Ke-6
UniProt Entry Name	DHB8_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://www.aaabiotech.com/polyclonal/hsd17b8-antibody-flow-cytometry-western-blot-elisa/126534>