

Rabbit anti-Human HSD17B12 Polyclonal Antibody | anti-HSD17B12 antibody

HSD17B12 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA229567	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

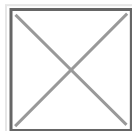
PRODUCT SYNONYMS

HSD17B12; Polyclonal Antibody; HSD17B12 Antibody; Very-long-chain 3-oxoacyl-CoA reductaseCurated (EC:1.1.1.3301 Publication; 17-beta-hydroxysteroid dehydrogenase 121; anti-HSD17B12 antibody

PRODUCT SPECIFICATIONS

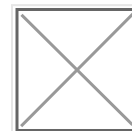
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purified
Form/Format	Liquid
Sequence Length	312
Applicable Applications for anti-HSD17B12 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human Very-long-chain 3-oxoacyl-CoA reductase protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-161281 / sc-161282
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

IMAGES



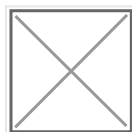
IF (Immunofluorescence)

Immunofluorescent analysis of U251 cells using AAA229567 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



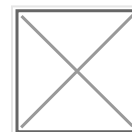
IHC (Immunohistochemisry)

Immunohistochemistry of paraffin-embedded human small intestine tissue using AAA229567 at dilution of 1:100



IHC (Immunohiostchemistry)

Immunohistochemistry of paraffin-embedded human breast cancer using AAA229567 at dilution of 1:100



WB (Western Blot)

Western blotAll lanes: HSD17B12 antibody at 1.2ug/mLane 1: U251 whole cell lysateLane 2: A431 whole cell lysateSecondaryGoat polyclonal to Rabbit IgG at 1/10000 dilutionPredicted band size: 35,11 kDaObserved band size: 34 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-HSD17B12 antibody	Catalyzes the second of the four reactions of the long-chain fatty acids elongation cycle. This endoplasmic reticulum-bound enzymatic process, allows the addition of two carbons to the chain of long- and very long-chain fatty acids/VLCFAs per cycle. This enzyme has a 3-ketoacyl-CoA reductase activity, reducing 3-ketoacyl-CoA to 3-hydroxyacyl-CoA, within each cycle of fatty acid elongation. Thereby, it may participate to the production of VLCFAs of different chain lengths that are involved in multiple biological processes as precursors of membrane lipids and lipid mediators. May also catalyze the transformation of estrone (E1) into estradiol (E2) and play a role in estrogen formation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7705855
NCBI GeneID	51144
NCBI Accession #	NP_057226.1
NCBI GenBank Nucleotide #	NM_016142.2
UniProt Accession #	Q53GQ0; Q96EA9; Q96JU2; Q9Y6G8; A8K9B0; D3DR23
Molecular Weight	10,342 Da
NCBI Official Full Name	very-long-chain 3-oxoacyl-CoA reductase
NCBI Official Synonym Full Names	hydroxysteroid (17-beta) dehydrogenase 12
NCBI Official Symbol	HSD17B12
NCBI Official Synonym Symbols	KAR; SDR12C1
NCBI Protein Information	very-long-chain 3-oxoacyl-CoA reductase
UniProt Protein Name	Very-long-chain 3-oxoacyl-CoA reductase
UniProt Gene Name	HSD17B12
UniProt Synonym Gene Names	KAR
UniProt Entry Name	DHB12_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/hsd17b12-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/229567>