Rabbit HSD17B12 Polyclonal Antibody | anti-HSD17B12 antibody

HSD17B12 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286850	**Rabbit**	**Human (Predicted Reactivity: Monkey)**	**Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA**

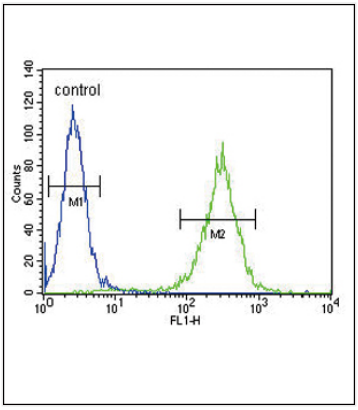
PRODUCT SYNONYMS

HSD17B12; Polyclonal Antibody; HSD17B12 Antibody (Center); Estradiol 17-beta-dehydrogenase 12; 17-beta-hydroxysteroid dehydrogenase 12; 17-beta-HSD 12; 3-ketoacyl-CoA reductase; KAR; 131-; anti-HSD17B12 antibody

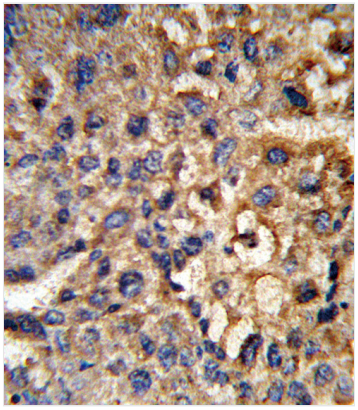
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Monkey)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This HSD17B12 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 126-155 amino acids from the Central region of human HSD17B12.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	126-155
Sequence Length	312
Applicable Applications for anti-HSD17B12 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

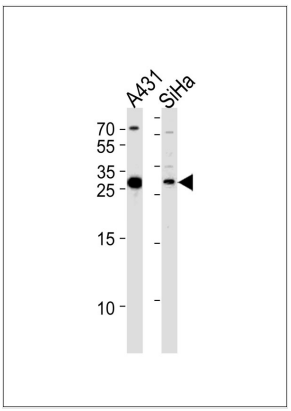
IMAGES



FCM/FACS (Flow Cytometry)
HSD17B12 Antibody (Center) flow cytometric analysis of A2058 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with HSD17B12 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
HSD17B12 Antibody (Center) western blot analysis in A431,SiHa cell line lysates (35ug/lane).This demonstrates the HSD17B12 antibody detected the HSD17B12 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-HSD17B12 antibody	The enzyme 17-beta hydroxysteroid dehydrogenase-12 (HSD17B12) uses NADPH to reduce 3-ketoacyl-CoA to 3-hydroxyacyl-CoA during the second step of fatty acid elongation.
Product Categories/Family for anti-HSD17B12 antibody	Crown Antibodies; Cell Biology; Metabolism; Signal Transduction
References	Plourde,M. J. Steroid Biochem. Mol. Biol. 116 (3-5), 134-153 (2009) Nagasaki,S. Mol. Cell. Endocrinol. 307 (1-2), 163-168 (2009) Bellemare,V. J. Steroid Biochem. Mol. Biol. 114 (3-5), 129-134 (2009)

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	34324
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-western-blot-flow-cytometry-immunohistochemistry-elisa/286850