Rabbit anti-Human AKR1C1 Polyclonal Antibody | anti-AKR1C1 antibody

AKR1C1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327837	**Rabbit**	**Human**	**ELISA, Immunohistochemistry, Western Blot**

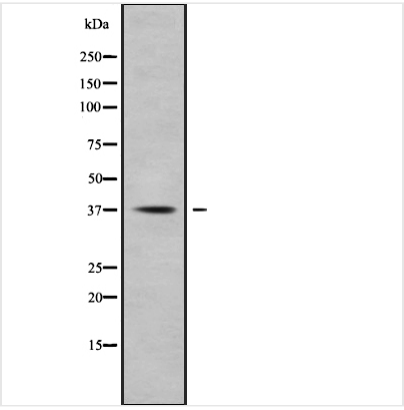
PRODUCT SYNONYMS

AKR1C1; Polyclonal Antibody; AKR1C1 Antibody; 2-dihydrobenzene-1; 2-diol dehydrogenase; 20 alpha (3 alpha) hydroxysteroid dehydrogenase; 20 ALPHA HSD; 20 alpha hydroxysteroid dehydrogenase; 20-alpha-HSD; 20-alpha-hydroxysteroid dehydrogenase; 20ALPHAHSD; 2ALPHAHSD; AK1C1; AK1C1_HUMAN; Aldo keto reductase family 1 member C1; aldo-keto reductase C; Aldo-keto reductase family 1 member C1; Aldo-keto reductase family; 1 member 1; C9; Chlordecone reductase homolog; Chlordecone reductase homolog HAKRC; DD1; DD1/DD2; DDH; DDH1; Dihydrodiol dehydrogenase 1; Dihydrodiol dehydrogenase 1/2; dihydrodiol dehydrogenase 1; 20-alpha (3-alpha)-hydroxysteroid dehydrogenase; dihydrodiol dehydrogenase isoform DD1; Dihydrodiol dehydrogenase; type 1; H37; HAKRC; HBAB; Hepatic dihydrodiol dehydrogenase; High affinity hepatic bile acid-binding protein; High-affinity hepatic bile acid-binding protein; Indanol dehydrogenase; MBAB; MGC8954; Trans-1; 2 dihydrobenzene 1; 2 diol dehydrogenase; Type II 3 alpha hydroxysteroid dehydrogenase; anti-AKR1C1 antibody

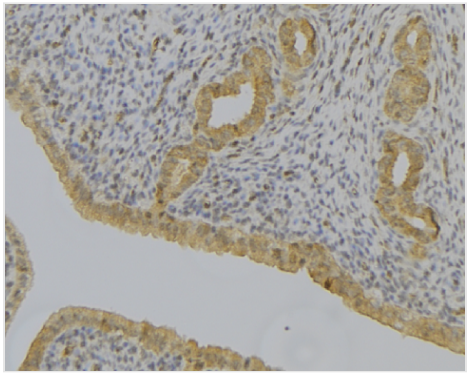
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	AKR1C1 antibody detects endogenous levels of total AKR1C1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	323
Applicable Applications for anti-AKR1C1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human AKR1C1
Subcellular Location	Cytoplasm.
Tissue Specificity	Expressed in all tissues tested including liver, prostate, testis, adrenal gland, brain, uterus, mammary gland and keratinocytes. Highest levels found in liver, mammary gland and brain.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of AKR1C1 using COS7 whole cell lysates



IHC (Immunohistochemistry)
AAA327837 at 1/100 staining Human uterus tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-AKR1C1 antibody	Function: Converts progesterone to its inactive form, 20-alpha-dihydroxyprogesterone (20-alpha-OHP). In the liver and intestine, may have a role in the transport of bile. May have a role in monitoring the intrahepatic bile acid concentration. Has a low bile-binding ability. May play a role in myelin formation. Subunit Structure: Monomer. Similarity: Belongs to the aldo/keto reductase family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453543
NCBI GeneID	1645
NCBI Accession #	NP_001344.2
NCBI GenBank Nucleotide #	NM_001353.5
UniProt Accession #	Q04828; P52896; Q5SR15; Q7M4N2; Q9UCX2
Molecular Weight	Observed: 37 kDa Predicted: 37 kDa
NCBI Official Full Name	aldo-keto reductase family 1 member C1
NCBI Official Synonym Full Names	aldo-keto reductase family 1 member C1
NCBI Official Symbol	AKR1C1
NCBI Official Synonym Symbols	C9; DD1; DDH; DDH1; H-37; HBAB; MBAB; HAKRC; DD1/DD2; 2-ALPHA-HSD; 20-ALPHA-HSD
NCBI Protein Information	aldo-keto reductase family 1 member C1
UniProt Protein Name	Aldo-keto reductase family 1 member C1
UniProt Gene Name	**AKR1C1**
UniProt Synonym Gene Names	DDH; DDH1; 20-alpha-HSD; DD1/DD2; HBAB

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://www.aaabiotech.com/polyclonal/akr1c1-antibody-immunohistochemistry-western-blot-elisa/327837