Rabbit AKR1C1 Polyclonal Antibody | anti-AKR1C1 antibody

AKR1C1 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200995	**Rabbit**	**Cow, Dog, Horse, Human, Pig, Rabbit, Rat**	**Immunohistochemistry, Western Blot**

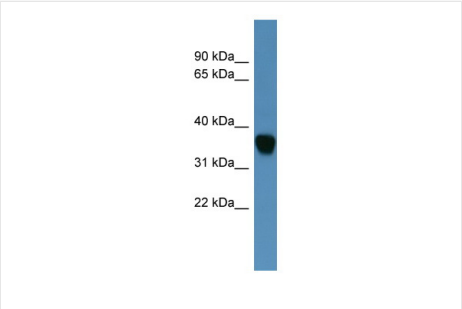
PRODUCT SYNONYMS

AKR1C1; Polyclonal Antibody; AKR1C1 antibody - N-terminal region; anti-AKR1C1 antibody

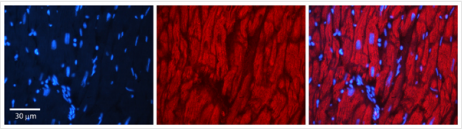
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Horse, Human, Pig, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Syntheticp eptideloca tedwithint hefollowin gregion:LE RSLKNLQLDY VDLYLIHFPV SVKPGEEVIP KDENGKILFD TVDLCATW
Sequence Length	323
Applicable Applications for anti-AKR1C1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Homology	Cow: 86%; Dog: 77%; Horse: 77%; Human: 100%; Pig: 77%; Rabbit: 82%; Rat: 82%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human AKR1C1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
WB Suggested Anti-AKR1C1 Antibody Titration: 0.2-1 ug/mlELISA Titer: 1:62500Positive Control: Human Liver



IHC (Immunohistochemistry)
Rabbit Anti-AKR1C1 AntibodyFormalin Fixed Paraffin Embedded Tissue: Human heart TissueObserved Staining: CytoplasmicPrimary Antibody Concentration: N/AOther Working Concentrations: 1:600Secondary Antibody: Donkey anti-Rabbit-Cy3Secondary Antibody Concentration: 1:200Magnification: 20XExposure Time: 0.5 - 2.0 sec

ADDITIONAL INFORMATION

Related Product Information for anti-AKR1C1 antibody	This is a rabbit polyclonal antibody against AKR1C1. It was validated on Western Blot Target Description: This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. These enzymes catalyze the conversion of aldehydes and ketones to their corresponding alcohols by utilizing NADH and/or NADPH as cofactors. The enzymes display overlapping but distinct substrate specificity. This enzyme catalyzes the reaction of progesterone to the inactive form 20-alpha-hydroxy-progesterone. This gene shares high sequence identity with three other gene members and is clustered with those three genes at chromosome 10p15-p14.
Product Categories/Family for anti-AKR1C1 antibody	Polyclonal; Drugs and Drug Metabolism; Various

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453543
NCBI GeneID	1645
NCBI Accession #	NP_001344
NCBI GenBank Nucleotide #	NM_001353
UniProt Accession #	Q04828
Molecular Weight	36kDa
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
UniProt Entry Name	AK1C1_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/akr1c1-antibody-immunohistochemistry-western-blot-elisa/200995