Rabbit AKR1C1 Polyclonal Antibody | anti-AKR1C1 antibody

AKR1C1 Antibody

CATALOG #	HOST	APPLICATIONS
AAA301144	**Rabbit**	**Immunohistochemistry, Western Blot, ELISA**

PRODUCT SYNONYMS

AKR1C1; Polyclonal Antibody; AKR1C1 Antibody; Aldo-keto reductase family 1; member C1; C9; DD1; DDH; DDH1; H-37; HBAB; MBAB; HAKRC; DD1/DD2; 2-ALPHA-HSD; 20-ALPHA-HSD; anti-AKR1C1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total AKR1C1 protein.
Form/Format	Supplied at 1mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.3, 0.05% sodium azide and 50% glycerol.
Sequence Length	323
Applicable Applications for anti-AKR1C1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide-KLH
Immunogen Description	Synthetic peptide corresponding to a region derived from 290-304 amino acids of human aldo-keto reductase family 1, member C1
Target Name	AKR1C1
Preparation and Storage	Store at -20 degree C/1 year

IMAGES

IHC (Immunohiostchemistry)
The image on the left is immunohistochemistry of paraffin-embedded human colon cancer tissue using 31278 (AKR1C1 Antibody) at dilution 1/30, on the right is treated with the synthetic peptide.

Application Data
Gel: 10%SDS-PAGE Lane1: Human liver cancer tissue lysate Lane2: Human breast infiltrative duct tissue lysate Lane3: Human fetal brain tissue lysate Lysate: 27 ug per lane Primary antibody: 1/500 dilution Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution Exposure time: 2 minutes

ADDITIONAL INFORMATION

Related Product Information for anti-AKR1C1 antibody	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	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453543
NCBI GeneID	1645
NCBI Accession #	NP_001344
NCBI GenBank Nucleotide #	NM_001353.5
Molecular Weight	36,788 Da
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/polyclonal/akr1c1-antibody-immunohistochemistry-western-blot-elisa/301144