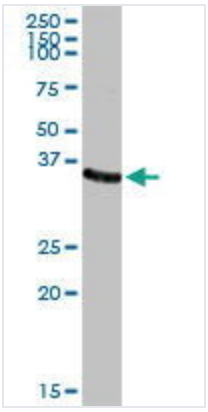
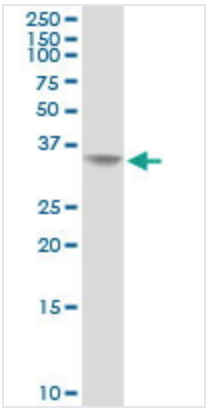
AKR1C2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

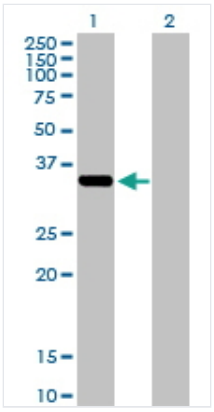
Product Name	AKR1C2, Polyclonal Antibody
Full Product Name	AKR1C2 (Aldo-keto Reductase Family 1 Member C2, 3-alpha-HSD3, Chlordecone Reductase Homolog HAKRD, Dihydrodiol Dehydrogenase 2, DD-2,
Product Gene Name	anti-AKR1C2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human AKR1C2.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor original vial after thawing and prior to removing the cap.
Immunogen	Full length human AKR1C2, aa1-323 (AAH07024.1).
Immunogen Sequence	MDSKYQCVKLNDGHFMPVLGFGTYAPAEVPKSKALEAVKLAIEAGFHHIDSAHVYNNEEQVGLAIRSKIADGSVKREDIFYTSKLWSNSHRPELVRPALER
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-AKR1C2 antibody	Antibodies; Enzymes; Dehydrogenase
Applications Tested/Suitable for anti-AKR1C2 antibody	Western Blot (WB)
Application Notes for anti-AKR1C2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-AKR1C2 antibody	AKR1C2 is a member of the aldo-oxo reductase (AKR) superfamily. It catalyzes the NADP-linked oxidation of trans-dihydrodiols of aromatic hydrocarbo beta-diol (3-alpha-diol). AKR1C2 has a high bile-binding ability.
Other Notes	Small volumes of anti-AKR1C2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If nece
Searchable Terms for AKR1C2 purchase	MBS6369323 is an antibody targeting AKR1C2. Also known as AKR1C2 (Aldo-keto Reductase Family 1 Member C2, 3-alpha-HSD3, Chlordecone Red



Western Blot (WB) of anti-AKR1C2 antibody
AKR1C2 rabbit polyclonal antibody. Western Blot analysis of AKR1C2 expression in human liver.



Western Blot (WB) of anti-AKR1C2 antibody
AKR1C2 rabbit polyclonal antibody. Western Blot analysis of AKR1C2 expression in HeLa.



Western Blot (WB) of anti-AKR1C2 antibody
Western Blot analysis of AKR1C2 expression in transfected 293T cell line by AKR1C2 polyclonal antibody. Lane 1: AKR1C2 transfected lysate (36.7kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AKR1C2. It may not necessarily be applicable to this product.

NCBI GI #	13937844
NCBI GeneID	1646
NCBI Accession #	AAH07024.1
UniProt Related Accession #	P52895
GenBank Nucleotide #	NM_001354.4
NCBI Official Full Name	Aldo-keto reductase family 1, member C2 (dihydrodiol dehydrogenase 2; bile acid binding protein; 3-alpha hydroxysteroid dehydrogenase, type III)
NCBI Official Synonym Full Names	aldo-keto reductase family 1 member C2
NCBI Official Symbol	AKR1C2
NCBI Official Synonym Symbols	DD; DD2; TDD; BABP; DD-2; DDH2; HBAB; HAKRD; MCDR2; SRXY8; DD/BABP; AKR1C-pseudo
Protein Family	Aldo-keto reductase family
NCBI Protein Information	aldo-keto reductase family 1 member C2

NCBI Summary for AKR1C2	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 using NADH and/or NADPH as cofactors. The enzymes display overlapping but distinct substrate specificity. This enzyme binds bile acid with high affinity, and shows minimal 3-alpha-hydroxysteroid dehydrogenase activity. This gene shares high sequence identity with three other gene members and is clustered with those three genes at chromosome 10p15-p14. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]
Research Articles on AKR1C2	**1.** Tibolone is metabolized by the 3alpha/3beta-hydroxysteroid dehydrogenase activities of the four human isozymes of the aldo-keto reductase 1C subfamily: inversion of stereospecificity with a delta5(10)-3-ketosteroid.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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