

Rabbit anti-Human AKR1C2 Polyclonal Antibody | anti-AKR1C2 antibody

AKR1C2 Antibody

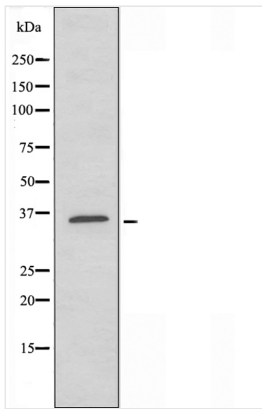
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324436	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

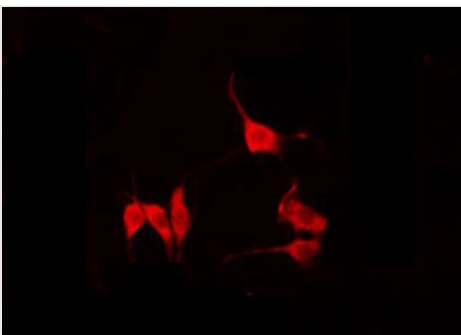
AKR1C2; Polyclonal Antibody; AKR1C2 Antibody; 2-dihydrobenzene-1; 2-diol dehydrogenase; 3 alpha HSD3; 3 alpha hydroxysteroid dehydrogenase type III; 3-alpha-HSD3; AK1C2_HUMAN; AKR1C pseudo; Aldo keto reductase family 1 member C2; Aldo-keto reductase family 1 member C2; BABP; Bile acid binding protein; Chlordecone reductase homolog; Chlordecone reductase homolog HAKRD; DD; DD-2; DD/BABP; DD2; DDH 2; DDH2; Dihydrodiol dehydrogenase 2; Dihydrodiol dehydrogenase/bile acid binding protein; Dihydrodiol dehydrogenase/bile acid-binding protein; FLJ53800; HAKRD; HBAB; MCDR 2; MCDR2; OTTHUMP00000044759; Pseudo chlordecone reductase; SRXY8; Trans 1 2 dihydrobenzene 1 2 diol dehydrogenase; Trans-1; Type II dihydrodiol dehydrogenase; Type III 3 alpha hydroxysteroid dehydrogenase; Type III 3-alpha-hydroxysteroid dehydrogenase; anti-AKR1C2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	AKR1C2 antibody detects endogenous levels of total AKR1C2
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	139
Applicable Applications for anti-AKR1C2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm.
Tissue Specificity	Expressed in fetal testes. Expressed in fetal and adult adrenal glands.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of extracts from COLO cells, using AKR1C2 antibody.



IF (Immunofluorescence)
AAA324436 staining COLO205 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-AKR1C2 antibody	Function: Works in concert with the 5-alpha/5-beta-steroid reductases to convert steroid hormones into the 3-alpha/5-alpha and 3-alpha/5-beta-tetrahydrosteroids. Catalyzes the inactivation of the most potent androgen 5-alpha-dihydrotestosterone (5-alpha-DHT) to 5-alpha-androstane-3-alpha, 17-beta-diol (3-alpha-diol). Has a high bile-binding ability. Similarity: Belongs to the aldo/keto reductase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	207028673
NCBI GeneID	1646
NCBI Accession #	NP_001128713.1
NCBI GenBank Nucleotide #	NM_001135241.2
UniProt Accession #	P52895; Q14133; Q5SR16; Q7M4N1; Q96A71; A8K2N9; B4DKR9
Molecular Weight	Observed: 37 kD Predicted: 37 kDa
NCBI Official Full Name	aldo-keto reductase family 1 member C2 isoform 2
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
NCBI Protein Information	aldo-keto reductase family 1 member C2
UniProt Protein Name	Aldo-keto reductase family 1 member C2
UniProt Gene Name	AKR1C2
UniProt Synonym Gene Names	DDH2; DD-2; DD2; DD/BABP

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.