# 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

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| **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<br>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. |

## IMAGES

**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

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| **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.<br>Similarity: Belongs to the aldo/keto reductase family. |

## NCBI AND UNIPROT INFORMATION

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| **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<br>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.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/akr1c2-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324436