

## Product datasheet for **TA337629**

### AKR1C2 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-AKR1C2 antibody: synthetic peptide directed towards the N terminal of human AKR1C2. Synthetic peptide located within the following region: LEAVKLAIEAGFHHIDSAHVYNNNEEQVGLAIRSKIADGSKREDIFYTSK
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	37 kDa
Gene Name:	aldo-keto reductase family 1, member C2
Database Link:	<a href="#">NP_995317</a> <a href="#">Entrez Gene 1646 Human</a> <a href="#">P52895</a>



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**Background:** 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.

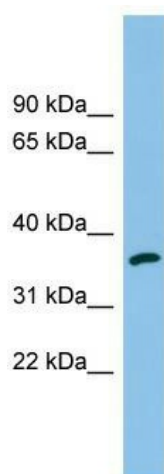
**Synonyms:** AKR1C-pseudo; BABP; DD; DD-2; DD2; DDH2; HAKRD; HBAB; MCDR2; SRXY8; TDD

**Note:** Immunogen Sequence Homology: Human: 100%; Dog: 93%; Pig: 93%; Rat: 93%; Horse: 93%; Mouse: 93%; Bovine: 93%; Rabbit: 93%; Guinea pig: 93%; Sheep: 86%

**Protein Families:** Druggable Genome

**Protein Pathways:** Metabolism of xenobiotics by cytochrome P450

### Product images:



WB Suggested Anti-AKR1C2 Antibody Titration:  
0.2-1 ug/ml; ELISA Titer: 1: 1562500; Positive  
Control: MCF7 cell lysate