

## Product datasheet for **TA346556**

### AKR1B1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-AKR1B1 antibody: synthetic peptide directed towards the C terminal of human AKR1B1. Synthetic peptide located within the following region: QSKGIVVTAYSPLGSPDRPWAKPEDPSLLEDPRIKAIAAKHNKTTAQVLI
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:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	36 kDa
Gene Name:	aldo-keto reductase family 1, member B1 (aldose reductase)
Database Link:	<a href="#">NP_001619</a> <a href="#">Entrez Gene 231 Human</a> <a href="#">P15121</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. This member catalyzes the reduction of a number of aldehydes, including the aldehyde form of glucose, and is thereby implicated in the development of diabetic complications by catalyzing the reduction of glucose to sorbitol. Multiple pseudogenes have been identified for this gene. The nomenclature system used by the HUGO Gene Nomenclature Committee to define human aldo-keto reductase family members is known to differ from that used by the Mouse Genome Informatics database. [provided by RefSeq, Feb 2009]

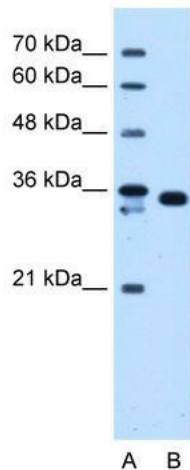
**Synonyms:** ADR; ALDR1; ALR2; AR

**Note:** Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Human: 100%; Mouse: 100%; Rabbit: 93%; Bovine: 92%; Guinea pig: 92%; Horse: 86%; Zebrafish: 86%

**Protein Families:** Druggable Genome

**Protein Pathways:** Fructose and mannose metabolism, Galactose metabolism, Glycerolipid metabolism, Metabolic pathways, Pentose and glucuronate interconversions, Pyruvate metabolism

### Product images:



WB Suggested Anti-AKR1B1 Antibody Titration:  
1.25 ug/ml; Positive Control: HepG2 cell lysate