

Product datasheet for **TA346874**

AKR1B1 Mouse Monoclonal Antibody [Clone ID: 4G9-B6-F6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	4G9-B6-F6
Applications:	WB
Recommended Dilution:	WB: 1:1000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	The immunogen for AKR1B1 antibody: purified recombinant human AKR1B1 protein fragments expressed in E.coli.
Formulation:	PBS(pH 7.4) containing with 0.02% sodium azide and 50% glycerol.
Purification:	Affinity 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:	NP_001619 Entrez Gene 24192 Rat Entrez Gene 231 Human P15121

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)



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Synonyms: ADR; ALDR1; ALR2; AR

Protein Families: Druggable Genome

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