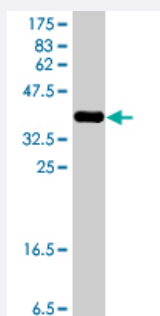


AKR1B1 polyclonal antibody (A01)

Catalog # H00000231-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (37.11 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant AKR1B1.
Immunogen	AKR1B1 (AAH10391, 217 a.a. ~ 316 a.a) partial recombinant protein with GST tag.
Sequence	DRPWAKPEDPSLLEDPRIKAI AAKHNKTTAQVLIRFPMQRNLVIPKSVTPERIAENFKVDFELSS QDMTTLLSYNRNWRVCALLSCTSHKDYPFHEEF
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (89); Rat (89)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.11 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — AKR1B1

Entrez GeneID [231](#)

GeneBank Accession# [BC010391](#)

Protein Accession# [AAH10391](#)

Gene Name AKR1B1

Gene Alias ADR, ALDR1, ALR2, AR, MGC1804

Gene Description aldo-keto reductase family 1, member B1 (aldose reductase)

Omim ID [103880](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations Lii5-2 CTCL tumor antigen|aldehyde reductase 1|aldo-keto reductase family 1, member B1|aldose reductase|low Km aldose reductase

Pathway

- [Fructose and mannose metabolism](#)
- [Galactose metabolism](#)
- [Glycerolipid metabolism](#)
- [Metabolic pathways](#)
- [Pentose and glucuronate interconversions](#)

- [Pyruvate metabolism](#)

Disease

- [Albuminuria](#)
- [Cardiovascular Diseases](#)
- [Coronary Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Diabetic Nephropathies](#)
- [Diabetic Neuropathies](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Hypospadias](#)
- [Kidney Failure](#)
- [Renal Insufficiency](#)