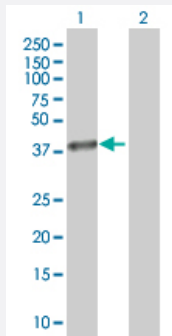


AKR1B1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000231-T01

Size 100 uL

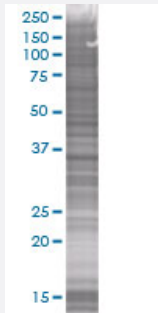
Applications



Western Blot

Lane 1: AKR1B1 transfected lysate (34.76 kDa)

Lane 2: Non-transfected lysate.



SDS-PAGE Gel

AKR1B1 transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-AKR1B1 full-length
Host	Human
Theoretical MW (kDa)	34.87
Interspecies Antigen Sequence	Mouse (86); Rat (86)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-AKR1B1 antibody ([H00000231-B01](#)) by Western Blots.

Western Blot

Lane 1: AKR1B1 transfected lysate (34.76 KDa)

Lane 2: Non-transfected lysate.

SDS-PAGE Gel

AKR1B1 transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — AKR1B1

Entrez GeneID

[231](#)

GeneBank Accession#

[BC000260](#)

Protein Accession#

[AAH00260](#)

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

L12-2 CTCL tumor antigen|aldose 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](#)