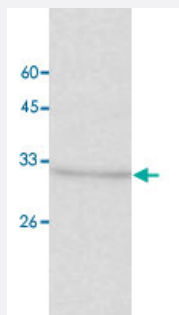


# AKR1B1 monoclonal antibody, clone 1

Catalog # MAB9984

Size 100 ug

## Applications



### Western Blot (Cell lysate)

Western blot analysis of Jurkat whole cell lysate with AKR1B1 monoclonal antibody, clone 1 (Cat # MAB9984) at 1:1000 dilution.

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against partial recombinant AKR1B1.
<b>Immunogen</b>	Recombinant protein corresponding to amino acids 33-316 of human AKR1B1.
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Specificity</b>	It can expression in Jurkat whole cell lysate.
<b>Form</b>	Liquid
<b>Purification</b>	Affinity purification
<b>Isotype</b>	IgG2b
<b>Recommend Usage</b>	Western blot (1:1000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In Citrate-Tris-HCl buffer, pH 7.0 (0.02% Proclin 300)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Cell lysate)

Western blot analysis of Jurkat whole cell lysate with AKR1B1 monoclonal antibody, clone 1 (Cat # MAB9984) at 1:1000 dilution.

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — AKR1B1

**Entrez GeneID** [231](#)

**Protein Accession#** [P15121](#)

**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](#)