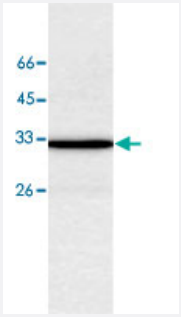
AKR1B1 monoclonal antibody, clone 7

Catalog # MAB9985 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of Jurkat whole cell lystae with AKR1B1 monoclonal antibody, clone 7 (Cat # MAB9985) at 1:1000 dilution.

Specification

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

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Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Cell lysate)

  Western blot analysis of Jurkat whole cell lystae with AKR1B1 monoclonal antibody, clone 7 (Cat # MAB9985) at 1:1000 dilution.

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

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- 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

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