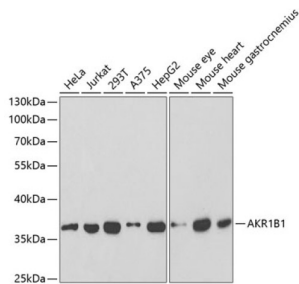


Aldose Reductase (AKR1B1) Antibody

Catalogue No.: abx001414



Western blot analysis of extracts of various cell lines, using AKR1B1 antibody (abx001414) at 1/1000 dilution.

AKR1B1 Antibody is a Rabbit Polyclonal antibody against AKR1B1. 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].

Target:	Aldose Reductase (AKR1B1)
Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	WB, IF/ICC
Host:	Rabbit
Recommended dilutions:	WB: 1/500 - 1/1000, IF/ICC: 1/50 - 1/200. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-316 of human AKR1B1.
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P15121 (UniProt , ExPASy)

Datasheet

Version: 3.0.0
Revision date: 17 Sep 2024



Gene Symbol: AKR1B1

GeneID: [231](#)

OMIM: [103880](#)

NCBI Accession: NP_001619.1

HGNC: 381

KEGG: hsa:231

Ensembl: ENSG00000085662

String: [9606.ENSP00000285930](#)

Enzyme Commission Number: EC 1.1.1.21

Molecular Weight: Calculated MW: 36 kDa
Observed MW: 36 kDa

Buffer: PBS, pH 7.3, containing 0.05% Proclin-300, 50% glycerol.

Concentration: 1.03 mg/ml

Note: This product is for research use only.

For Reference Only