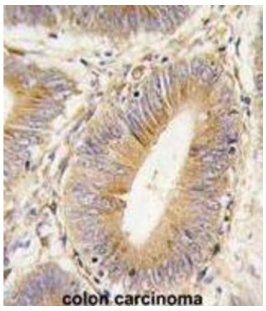
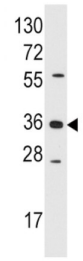
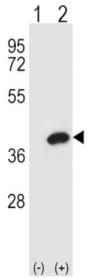
Aldose Reductase (AKR1B1) Antibody

Catalogue No.:abx031674







AKR1B1 is a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. This protein 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.

Target:	Aldose Reductase (AKR1B1)
Clonality:	Polyclonal
Reactivity:	Human
Tested Applications:	ELISA, WB, IHC, IF/ICC
Host:	Rabbit
Recommended dilutions:	WB: 1/1000, IHC-P: 1/10 - 1/50, IF/ICC: 1/10 - 1/50. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.

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Conjugation:	Unconjugated
Immunogen:	KLH-conjugated synthetic peptide between 102-135 amino acids from the Central region of human AKR1B1.
Isotype:	IgG
Form:	Liquid
Purification:	Purified Rabbit Polyclonal Antibody.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P15121 (UniProt, ExPASy)
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: 35.9 kDa
Buffer:	PBS containing 0.09% sodium azide.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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