

ARG11054 anti-AKR1B1 antibody

Package: 50 μg Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes AKR1B1
Tested Reactivity	Hu
Tested Application	IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	lgG
Target Name	AKR1B1
Species	Human
Immunogen	Synthetic peptide within aa. 250-350 of Human AKR1B1.
Conjugation	Un-conjugated
Alternate Names	Aldo-keto reductase family 1 member B1; Aldose reductase; ALR2; ALDR1; AR; Aldehyde reductase; EC 1.1.1.21; ADR

Application Instructions

Application table	Application	Dilution
	IHC-P	1:150
	IP	1:200
	WB	1:500
Application Note	* The dilutions indicate recomme should be determined by the scie	ended starting dilutions and the optimal dilutions or concentrations entist.

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	Tris, HCl / Glycine buffer (pH 7.4 - 7.8), cryo-protective agents, Hepes, 0.02% Sodium azide, 30% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	30% Glycerol and 0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

Gene Symbol	AKR1B1
Gene Full Name	aldo-keto reductase family 1, member B1 (aldose reductase)
Background	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]
Function	Catalyzes the NADPH-dependent reduction of a wide variety of carbonyl-containing compounds to their corresponding alcohols with a broad range of catalytic efficiencies. [UniProt]
Calculated Mw	36 kDa
Cellular Localization	Cytoplasm. [UniProt]

Images



ARG11054 anti-AKR1B1 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human fibroepithelial tissue stained with ARG11054 anti-AKR1B1 antibody at 1:100 dilution (40x magnification).