

ARG55470 anti-AKR1B1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes AKR1B1
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	AKR1B1
Species	Human
Immunogen	Recombinant protein of Human AKR1B1 (NP_001619.1)
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

Predict Reactivity Note	Rat						
Application table	<table><tr><th>Application</th><th>Dilution</th></tr><tr><td>ICC/IF</td><td>1:50 - 1:200</td></tr><tr><td>WB</td><td>1:500 - 1:2000</td></tr></table>	Application	Dilution	ICC/IF	1:50 - 1:200	WB	1:500 - 1:2000
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ICC/IF	1:50 - 1:200						
WB	1:500 - 1:2000						
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.						
Positive Control	Mouse heart and HepG2						
Observed Size	~ 36 kDa						

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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.

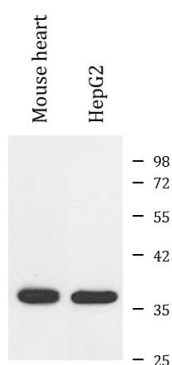
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 231 Human GeneID: 24192 Rat Swiss-port # P07943 Rat Swiss-port # P15121 Human
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]
Research Area	Metabolism antibody; Signaling Transduction antibody
Calculated Mw	36 kDa

Images



ARG55470 anti-AKR1B1 antibody WB image

Western blot: Mouse heart and HepG2 cell lysates stained with ARG55470 anti-AKR1B1 antibody.