

Rabbit AKR1B1 Polyclonal Antibody | anti-AKR1B1 antibody

AKR1B1 antibody - C-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199882	Rabbit	Tested Species Reactivity: Human, Mouse Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit, Zebrafish	Western Blot

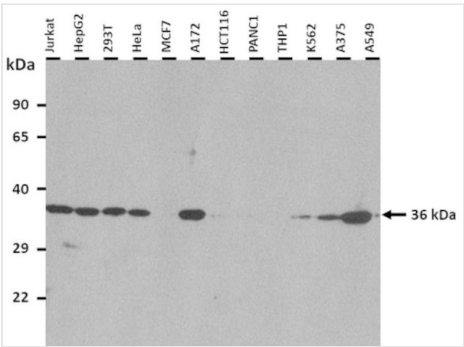
PRODUCT SYNONYMS

AKR1B1; Polyclonal Antibody; AKR1B1 antibody - C-terminal region; anti-AKR1B1 antibody

PRODUCT SPECIFICATIONS

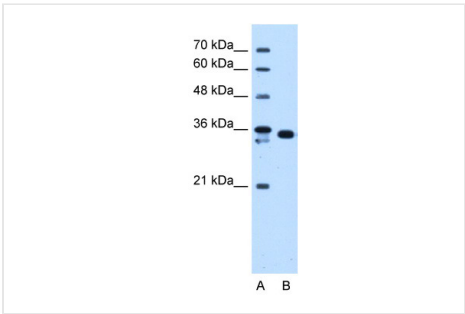
Host	Rabbit
Reactivity	Tested Species Reactivity: Human, Mouse Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit, Zebrafish
Clonality	Polyclonal
Purity/Purification	Protein A purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	1.0 mg/ml (varies by lot)
Sequence	Synthetic peptide with the following sequence: QSKGIVVTAYSP LGSPDRPWAK PEDPSLLEDP RIKAI AAKHN KTTAQVLI
Sequence Length	316
Applicable Applications for anti-AKR1B1 antibody	WB (Western Blot)
Homology	Cow: 92%; Dog: 100%; Guinea Pig: 92%; Horse: 86%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 93%; Rat: 100%; Zebrafish: 86%
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human AKR1B1
Protein Size (# AA)	316 amino acids
Protein Interactions	UBC; ASB18; ASB9; ASB5; SMAD1; SORD; SHBG; TFE3;
Enhanced Validation	Relative Expression (Western Blot)
Blocking Peptide	For anti-AKR1B1 antibody is Catalog #
Preparation and Storage	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



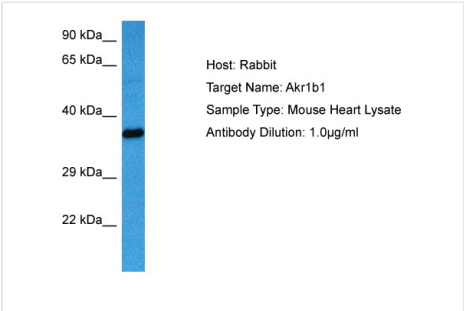
SDS-PAGE

25 ug of the indicated Human whole cell or tissue extracts was loaded onto a 12% SDS-PAGE gel. 1 ug/mL of the antibody was used in this experiment.



WB (Western Blot)

WB Suggested Anti-AKR1B1 Antibody Titration: 1.25ug/mlPositive Control: HepG2 cell lysate



WB (Western Blot)

Host: MouseTarget Name: AKR1B1Sample Tissue: Mouse HeartAntibody Dilution: 1ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-AKR1B1 antibody	This is a rabbit polyclonal antibody against AKR1B1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: AKR1B1 is 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.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. There are a few putative pseudogenes for this gene, and one of them has been confirmed and mapped to chromosome 3. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Product Categories/Family for anti-AKR1B1 antibody	Polyclonal; Drugs and Drug Metabolism; Developmental Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502049
NCBI GeneID	231
NCBI Accession #	NP_001619
NCBI GenBank Nucleotide #	NM_001628
UniProt Accession #	P15121
Molecular Weight	36kDa
NCBI Official Full Name	aldose reductase isoform 1

NCBI Official Synonym Full Names	aldo-keto reductase family 1 member B
NCBI Official Symbol	AKR1B1
NCBI Official Synonym Symbols	AR; ADR; ALR2; ALDR1
NCBI Protein Information	aldose reductase
UniProt Protein Name	Aldose reductase
UniProt Gene Name	AKR1B1
UniProt Synonym Gene Names	ALDR1; AR
UniProt Entry Name	ALDR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/akr1b1-antibody-western-blot-elisa/199882>