

Mouse anti-Human AKR1B1 Monoclonal Antibody | anti-AKR1B1 antibody

AKR1B1 Antibody

CATALOG # AAA111299	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunocytochemistry, Western Blot
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PRODUCT SYNONYMS

AKR1B1; Monoclonal Antibody; AKR1B1 Antibody; ALDR1; AR; Aldo-keto reductase family 1 member B1; ADR; ALR2; Lii5-2 CTCL tumor antigen; Aldehyde reductase; anti-AKR1B1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Specificity	This antibody detects endogenous levels of AKR1B1 and does not cross-react with related proteins.
Purity/Purification	Affinity purified
Form/Format	Purified in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50%, glycerol
Sequence Length	316
Applicable Applications for anti-AKR1B1 antibody	ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	Purified recombinant human AKR1B1 protein fragments expressed in E Coli.
Cellular Localization	Cytoplasm

IMAGES



Application Data

Western blot detection of AKR1B1 in HT1080, MCF7, A431&HeLa cell lysates using AKR1B1 antibody (1:1000 diluted). Predicted band size:36KDa. Observed band size:36KDa.



Application Data

Immunocytochemistry stain of HeLa using AKR1B1 antibody (1:300).

ADDITIONAL INFORMATION

Related Product Information for anti-AKR1B1 antibody

UniPort Summary 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.

Entrez Summary: 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

Product Categories/Family for anti-AKR1B1 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502049
NCBI GeneID	231
NCBI Accession #	NP_001619.1
NCBI GenBank Nucleotide #	NM_001628.2
UniProt Accession #	P15121; Q5U031; Q6FGA4; Q6ICP2; Q9BS21; Q9UCI9; B2R8N3
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

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://stage.aaabiotech.com/monoclonal/akr1b1-antibody-immunocytochemistry-western-blot-elisa/111299>