

Rabbit anti-Human AKR1B1 Polyclonal Antibody | anti-AKR1B1 antibody

AKR1B1 Antibody

CATALOG # AAA301140	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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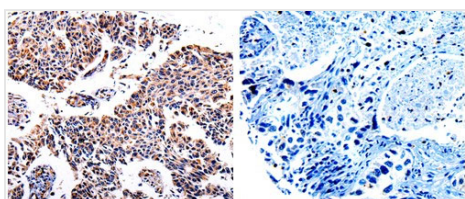
PRODUCT SYNONYMS

AKR1B1; Polyclonal Antibody; AKR1B1 Antibody; Aldose reductase; AR; ADR; ALR2; ALDR1; anti-AKR1B1 antibody

PRODUCT SPECIFICATIONS

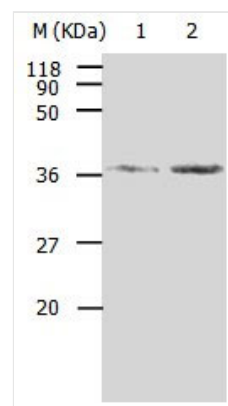
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total AKR1B1 protein.
Form/Format	Supplied at 0.7mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.3, 0.05% sodium azide and 50% glycerol.
Sequence Length	1416
Applicable Applications for anti-AKR1B1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Recombinant protein
Immunogen Description	Full length fusion protein
Target Name	AKR1B1
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



IHC (Immunohistochemistry)

The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using 31006 (AKR1B1 Antibody) at dilution 1/40, on the right is treated with the fusion protein.



Application Data

Gel: 10%SDS-PAGE Lane1: Hela cell lysate Lane2: 293T cell lysate Lysates: 40 ug per lane
Primary antibody: 1/350 dilution Secondary antibody: Donkey anti Rabbit Ig - H&L (HRP) at 1/3000 dilution Exposure time: 1 minute

ADDITIONAL INFORMATION

Related Product Information for anti-AKR1B1 antibody	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	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	12652998
NCBI GeneID	231
Molecular Weight	35,853 Da
NCBI Official Full Name	Homo sapiens aldo-keto reductase family 1, member B1 (aldose reductase), mRNA
NCBI Official Synonym Full Names	aldo-keto reductase family 1, member B1 (aldose reductase)
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/akr1b1-antibody-immunohistochemistry-western-blot-elisa/301140>