Rabbit AKR1B1 Polyclonal Antibody | anti-AKR1B1 antibody

AKR1B1 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA169761	**Rabbit**	**Human, Mouse, Rat**	**Immunohistochemistry, Western Blot, ELISA**

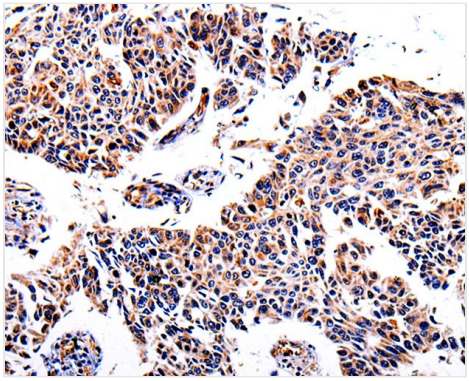
PRODUCT SYNONYMS

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

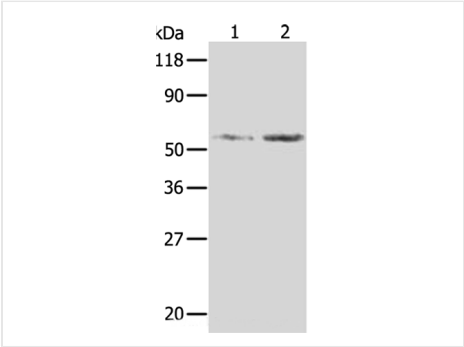
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	0.7mg/mL (varies by lot)
Sequence Length	316
Applicable Applications for anti-AKR1B1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant protein of human AKR1B1
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded Human lung cancer using AKR1B1 Polyclonal Antibody at dilution of 1:40



WB (Western Blot)
Western Blot analysis of Hela and 293T cell using AKR1B1 Polyclonal Antibody at dilution of 1:350

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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502049
NCBI GeneID	231
NCBI Accession #	NP_001619.1
NCBI GenBank Nucleotide #	NM_001628.2
Molecular Weight	35,853 Da
NCBI Official Full Name	aldose reductase
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; Lii5-2 CTCL tumor antigen; aldehyde reductase 1; aldo-keto reductase family 1 member B1; low Km 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-immunohistochemistry-western-blot-elisa/169761