

Rabbit anti-Human AKR1B10 Polyclonal Antibody | anti-AKR1B10 antibody

AKR1B10 Antibody

CATALOG # AAA328996	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA
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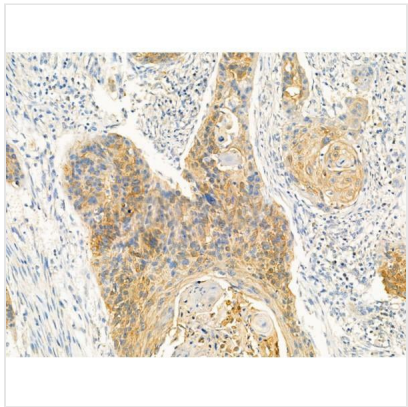
PRODUCT SYNONYMS

AKR1B10; Polyclonal Antibody; AKR1B10 Antibody; AK1BA_HUMAN; AKR1B11; AKR1B12; Aldo keto reductase family 1 member B10; aldo keto reductase family 1 member B11; Aldo-keto reductase family 1 member B10 (aldose reductase); Aldo-keto reductase family 1 member B10; Aldo-keto reductase family 1 member B11 (aldose reductase-like); aldose reductase like 1; Aldose reductase like; aldose reductase like peptide; Aldose reductase related protein; Aldose reductase-like; Aldose reductase-related protein; ALDRLn; ARL 1; ARL-1; ARL1; ARL1 Human small intestine reductase; ARP; hARP; HIS; HSI; SI reductase; Small intestine reductase; anti-AKR1B10 antibody

PRODUCT SPECIFICATIONS

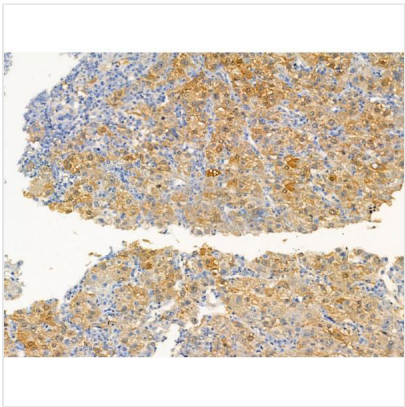
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	AKR1B10 Antibody detects endogenous levels of total AKR1B10.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	316
Applicable Applications for anti-AKR1B10 antibody	ELISA
Immunogen	A synthesized peptide derived from human AKR1B10, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



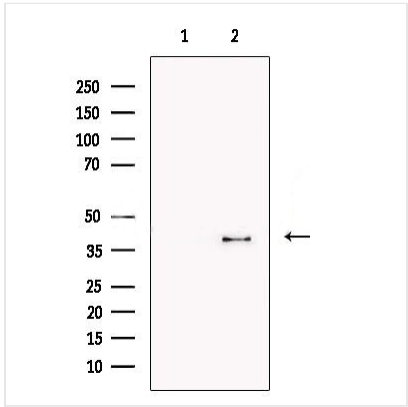
IHC (Immunohistochemisry)

AAA328996 at 1/100 staining Human esophageal cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohiostchemistry)

AAA328996 at 1/100 staining Human liver cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from Raji, using AKR1B10 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-AKR1B10 antibody

Function: Catalyzes the NADPH-dependent reduction of a wide variety of carbonyl-containing compounds to their corresponding alcohols (PubMed:9565553, PubMed:18087047, PubMed:12732097, PubMed:19013440, PubMed:19563777). Displays strong enzymatic activity toward all-trans-retinal, 9-cis-retinal, and 13-cis-retinal (PubMed:12732097, PubMed:18087047). Plays a critical role in detoxifying dietary and lipid-derived unsaturated carbonyls, such as crotonaldehyde, 4-hydroxynonenal, trans-2-hexenal, trans-2,4-hexadienal and their glutathione-conjugates carbonyls (GS-carbonyls) (PubMed:19013440, PubMed:19563777). Displays no reductase activity towards glucose (PubMed:12732097).

Subcellular Location: Lysosome. Secreted. Note: Secreted through a lysosome-mediated non-classical pathway.

Tissue Specificity: Found in many tissues. Highly expressed in small intestine, colon and adrenal gland.

Similarity: Belongs to the aldo/keto reductase family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	223468663
NCBI GeneID	57016
NCBI Accession #	NP_064695.3

NCBI GenBank Nucleotide #	NP_064695.3
UniProt Accession #	O60218
Molecular Weight	Observed Molecular Weight: (Observed)36kD. Predicted Molecular Weight: (Calculated)36kDa.
NCBI Official Full Name	aldo-keto reductase family 1 member B10
NCBI Official Synonym Full Names	aldo-keto reductase family 1 member B10
NCBI Official Symbol	AKR1B10
NCBI Official Synonym Symbols	HIS; HSI; ARL1; ARL-1; ALDRLn; AKR1B11; AKR1B12
NCBI Protein Information	aldo-keto reductase family 1 member B10
UniProt Protein Name	Aldo-keto reductase family 1 member B10
UniProt Gene Name	AKR1B10
UniProt Synonym Gene Names	AKR1B11; ARP; hARP
UniProt Entry Name	AK1BA_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://stage.aaabiotech.com/polyclonal/akr1b10-antibody-elisa/328996>