

# AKR1B10 rabbit monoclonal antibody

Catalog # H00057016-K      Size 100 ug x up to 3

## Specification

<b>Product Description</b>	Rabbit monoclonal antibody raised against a human AKR1B10 peptide using ARM Technology.
<b>Immunogen</b>	A synthetic peptide of human AKR1B10 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
<b>Host</b>	Rabbit
<b>Library Construction</b>	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
<b>Expression</b>	Overexpression vector and transfection into 293H cell line.
<b>Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Isotype</b>	IgG
<b>Quality Control Testing</b>	Antibody reactive against human AKR1B10 peptide by ELISA and mammalian transfected lysate by Western Blot.
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Deliverable</b>	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
<b>Note</b>	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — AKR1B10

Entrez GeneID	<a href="#">57016</a>
GeneBank Accession#	<a href="#">AKR1B10</a>
Gene Name	AKR1B10
Gene Alias	AKR1B11, AKR1B12, ALDRLn, ARL-1, ARL1, HIS, HSI, MGC14103
Gene Description	aldo-keto reductase family 1, member B10 (aldose reductase)
Omim ID	<a href="#">604707</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. This member can efficiently reduce aliphatic and aromatic aldehydes, and it is less active on hexoses. It is highly expressed in adrenal gland, small intestine, and colon, and may play an important role in liver carcinogenesis. [provided by RefSeq]
Other Designations	aldo-keto reductase family 1, member B10 aldo-keto reductase family 1, member B11 (aldose reductase-like) aldose reductase-like 1 aldose reductase-like peptide aldose reductase-related protein small intestine reductase

## Pathway

- [Bisphenol A degradation](#)
- [Butanoate metabolism](#)
- [Fructose and mannose metabolism](#)
- [Linoleic acid metabolism](#)
- [Metabolic pathways](#)
- [Tetrachloroethene degradation](#)

## Disease

- [Cardiovascular Diseases](#)

- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)