

AKR1C2 rabbit monoclonal antibody

Catalog # H00001646-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human AKR1C2 peptide using ARM Technology.
Immunogen	A synthetic peptide of human AKR1C2 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human AKR1C2 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	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) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — AKR1C2

Entrez GeneID	1646
GeneBank Accession#	AKR1C2
Gene Name	AKR1C2
Gene Alias	AKR1C-pseudo, BABP, DD, DD2, DDH2, HAKRD, HBAB, MCDR2
Gene Description	aldo-keto reductase family 1, member C2 (dihydrodiol dehydrogenase 2; bile acid binding protein ; 3-alpha hydroxysteroid dehydrogenase, type III)
Omim ID	600450
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. These enzymes catalyze the conversion of aldehydes and ketones to their corresponding alcohols using NADH and/or NADPH as cofactors. The enzymes display overlapping but distinct substrate specificity. This enzyme binds bile acid with high affinity, and shows minimal 3-alpha-hydroxysteroid dehydrogenase activity. This gene shares high sequence identity with three other gene members and is clustered with those three genes at chromosome 10 p15-p14. [provided by RefSeq]
Other Designations	OTTHUMP00000018995 OTTHUMP00000044759 aldo-keto reductase family 1, member C2 chlordecone reductase homolog pseudo-chlordecone reductase trans-1,2-dihydrobenzene-1,2-diol dehydrogenase type II dihydrodiol dehydrogenase

Pathway

- [Metabolism of xenobiotics by cytochrome P450](#)

Disease

- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Obesity](#)

- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Prostatic Neoplasms](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)